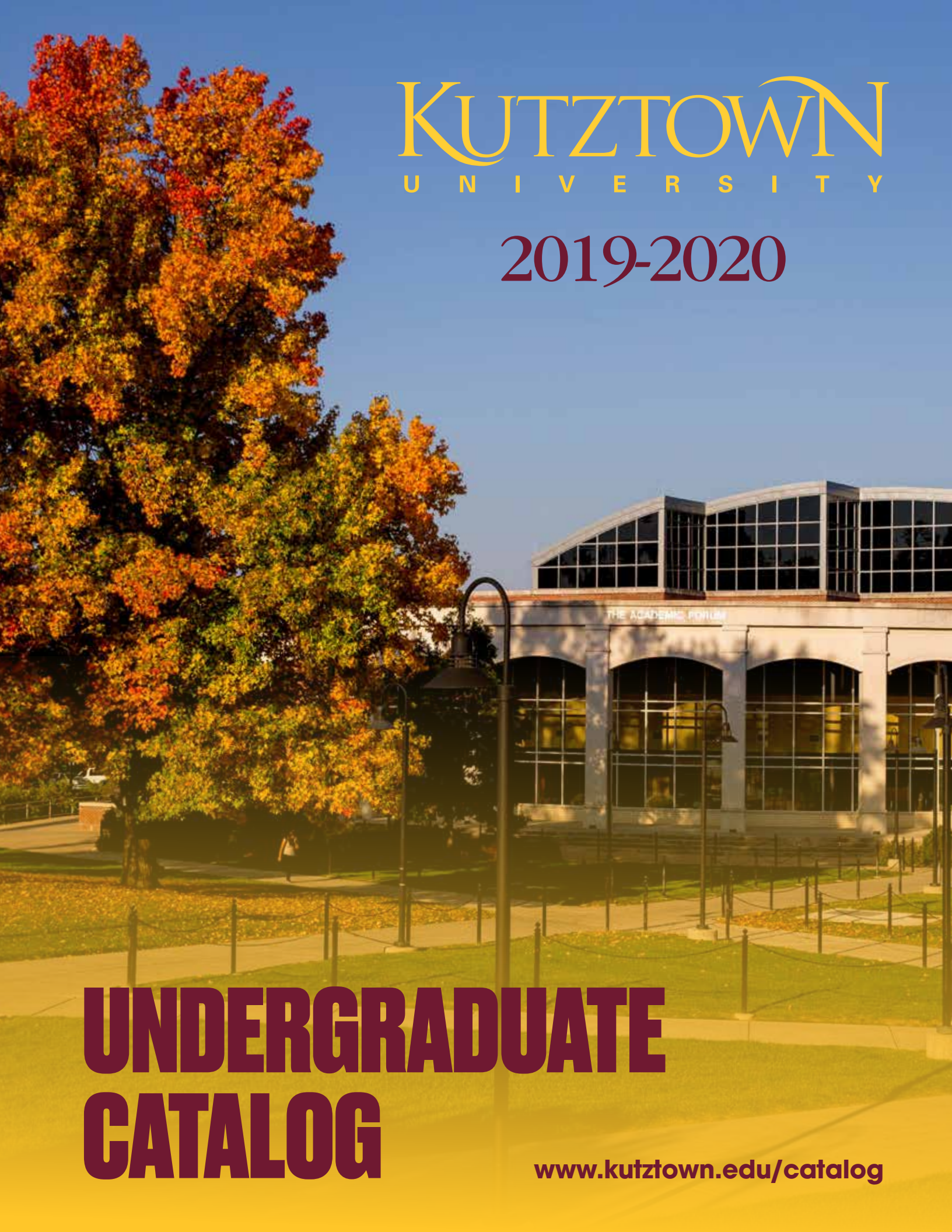

KUTZTOWN
UNIVERSITY
2019-2020
UNDERGRADUATE
CATALOG
www.kutztown.edu/catalog

The Undergraduate Catalog provides information about Kutztown University and its undergraduate programs. The contents of this catalog are not to be considered binding or a contract between the University and its students.

Each step of the educational process, from admission through graduation, requires continuing review and appropriate approval by University officials. The University, therefore, reserves the right to change the requirements and regulations contained in this document.

The provisions of this catalog are not intended to create any substantive rights beyond those created by the Commonwealth of Pennsylvania and are not intended to create, in and of themselves, any cause of action against Pennsylvania's State System of Higher Education, the Board of Governors, the Chancellor, an individual president or university, or any other officer, agency, agent, or employee of the State System of Higher Education.

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Introduction

Mission, Vision, Purpose, and Institutional Learning Outcomes of the University

Kutztown University's mission is to provide a high-quality education at the undergraduate and graduate levels in order to prepare students to meet lifelong intellectual, ethical, social, and career challenges, supporting its vision to be a regional center of excellence with opportunities for advanced academic, cultural, and public service experiences, within a caring community, designed to promote success in a global society.

Grounded in regional history and focused on innovative futures through the colleges of Business, Education, Liberal Arts and Sciences and Visual and Performing Arts, Kutztown University:

- offers a contemporary liberal arts education as the foundation for inspiring and challenging students to grow intellectually, professionally, ethically, civically, and socially;
- provides support for students to reach their unique potential;
- commits to access and diversity, drawing upon international, national, regional, and community partnerships to prepare new generations of global citizens;
- values the life experiences of students, faculty, and staff to create a caring community on a beautiful campus; and
- cultivates opportunities for students to engage the world and pursue meaningful lives and careers through collaboration, mentorship, and intentional working relationships.

Kutztown University has five Institutional Learning Outcomes:

1. Communicate Effectively
   Students will demonstrate the ability to communicate clearly and effectively.

2. Think Critically and Creatively
   Students will demonstrate the ability to effectively access, evaluate, and interpret information; adapt to changing situations; and, use creative and novel ideas and solutions to better solve problems and make complex decisions.

3. Value Diversity
   Students will demonstrate an understanding and ability to live and work within diverse communities.

4. Acquire Knowledge
   Students will demonstrate a depth and breadth of knowledge.

5. Practice Social and Professional Integrity
   Students will demonstrate the ability to act ethically and with empathy, honesty, and responsibility.

Kutztown University is located between Reading and Allentown on 289 acres in southeastern Pennsylvania and includes 10 residence facilities, which accommodate 3,800 students. The faculty and staff complement is approximately 964 headcount including 467 faculty with an 17:1 student to faculty ratio. Most of the University's $175 million in revenue sustain its instructional and support programs, although $44 million represent auxiliary fees such as room and board which is used to pay for costs in those areas.

History of the University

Kutztown University is a member of Pennsylvania's State System of Higher Education. Founded on September 15, 1866 as Keystone Normal School, it became Kutztown State Teachers College in 1928, Kutztown State College in 1960, and Kutztown University on July 1, 1983.

The University is comprised of four academic colleges: College of Business, College of Education, College of Liberal Arts and Sciences, and College of Visual and Performing Arts. At the undergraduate level, there are over 100 majors, minors, and concentrations appropriate to each college, along with a University general education program. At the graduate level, there are 31 Master's programs, ten certifications, and two doctoral programs.

Accreditations

Kutztown has both institutional and specialized accreditation. It is accredited by the Middle States Commission on Higher Education (MSCHE), Accreditation Association for Ambulatory Health Care (AAAHC), American Chemical Society (ACS) (program approval), Association to Advance Collegiate Schools of Business (AACSB), Commission on Sport Management Accreditation (COSMA), Council for Accreditation of Counseling and Related Educational Programs (CACREP), Council for the Accreditation of Educator Preparation (CAEP)/National Council for Accreditation of Teacher Education (NCATE), Council on Social Work Education (CSWE), International Accreditation of Counseling Services, Inc. (IACS), National Association of Schools of Art and Design (NASAD), National Association of Schools of Music (NASM), and National Council for Accreditation of Coaching Education (NCACE).

Non-Discrimination Statement

Kutztown University does not discriminate in employment or educational opportunities on the basis of sex, race, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity, or veteran status. To discuss a complaint of discrimination, please contact the University's Title IX Coordinator located in the Office of Social Equity, Old Main A-Wing, Room 02, by phone at (610) 683-4700 or by email at pena@kutztown.edu or the Office for Civil Rights located in the Lyndon Baines Johnson Department of Education Building, 400 Maryland Avenue, SW, Washington, D.C., 20202-1100, by phone at (800) 421-3481 (TDD: (800) 877-8339), by fax at 202-453-6012, or by e-mail at OCR@ed.gov.

University Calendar 2019-2020

FALL SEMESTER 2019

Residence Hall Occupancy for Returning Students	Thur., Aug. 22, Fri., Aug. 23, Sun., Aug. 25
Faculty Meeting	Friday, Aug. 23
Residence Hall Occupancy Begins (New Students)	Saturday, Aug. 24
Classes Start	Monday, Aug. 26
All Students Late Registration and Drop/Add Period	Mon., Aug. 26 – Tues., Sep. 3
Saturday Classes Start	Saturday, Aug. 31
Labor Day Holiday (No Classes)	Monday, Sept. 2
Mid Term	Monday, Oct. 7
Fall Break	Sun., Oct. 13 – Tues., Oct. 15
Thanksgiving Recess	Wed., Nov. 27 – Sun., Dec. 1
Last Day of Regular Classes	Saturday, Dec.7
Final Week Begins	Monday, Dec. 9
Residence Hall Occupancy Ends	Friday, Dec. 13
Final Week Ends	Saturday, Dec. 14
December Commencement	Saturday, Dec. 14
Last Day of Semester	Saturday, Dec. 14

WINTER SESSION 2020

Classes Start	Wed., Dec. 18
Last Day of Session	Thursday, Jan. 16

SPRING SEMESTER 2020

Martin Luther King Day Holiday- School Closed	Monday, Jan. 20
Residence Hall Occupancy Begins	Sunday, Jan. 19
Classes Start	Tuesday, Jan. 21
All Students- Late Registration and Add/Drop Period	Tues., Jan. 21 – Tues., Jan. 28
Withdraw "W" Period	Wed., Jan. 29 – Fri., April 3
Saturday Classes Start	Saturday, Jan. 25
Mid-term	Monday, March 2
Spring Break	Sun., March 8 – Sun., March 15
Last Day to Withdraw from University	Monday, April 20

Last Day of Regular Classes .....Saturday, May 2
Final Week Begins .....Monday, May 4
Residence Hall Occupancy Ends.....Friday, May 8
May Commencement for Masters and Doctoral-Level Students .....Friday, May 8
Final Week Ends .....Saturday, May 9
May Commencement for Undergraduate Students .....Saturday, May 9
Last Day of Semester .....Saturday, May 9

SUMMER SESSION 2020

Session I
Memorial Day Holiday (No Classes) .....Monday, May 25
Residence Hall Occupancy.....Monday, May 25
Begins.....Tuesday, May 26
Ends.....Friday, June 26

Session II
Begins.....Tuesday, July 7
Ends.....Friday, Aug. 7

TEN WEEKS
Begins.....Tuesday, May 26
Ends.....Friday, Aug. 7

Admission Requirements

Freshman Admissions

1. Complete the application for admission. www.kutztown.edu/apply

2. Submit a non-refundable $35 application fee. Kutztown University subscribes to the NACAC or CEEB fee waiver program. Students should request submission of the fee waiver form through their guidance counselor.

3. Request an official copy of the high school transcript and send directly to the Office of Undergraduate Admissions. GED results must be sent directly from the Department of Education.

4. Submit ACT or SAT test scores.

5. Complete any other requirements as prescribed by the intended major by the appropriate date. Example: portfolio, art test, music audition.

6. Kutztown University strongly encourages students to pursue a college preparatory program in high school which consists of: 4 years of English, 3 years of Social Science, 3 years of Mathematics, and 3 years of Science.

7. Applicants will be considered on a rolling basis.

8. When approved for admission to the University, applicants will be required to make a non-refundable advance registration deposit. Students requesting on-campus housing will be required to submit an additional non-refundable housing application fee by May 1.

9. A favorable admission decision is based upon the student's qualifications at the time of the offer and is contingent upon the student maintaining those standards through graduation from high school. Students must submit a final official transcript that includes the date of graduation to the Office of Undergraduate Admissions.

Transfer Student Admissions

1. Complete the application for admission. www.kutztown.edu/apply

2. Submit a non-refundable $35 application fee.

3. Request an official copy of the high school transcript and send directly to the Office of Undergraduate Admissions. GED results must be sent directly from the Department of Education.

4. Request official copies of college transcripts from all post-secondary institutions attended and send directly to the Office of Undergraduate Admissions.

5. Transfer students with 12 or more college level credits must have a minimum 2.0 GPA on a 4.0 GPA scale. Students who earned less than 12 credits will be required to submit their official high school record and standardized ACT or SAT test scores that will be used as part of the review process.

6. Complete any other requirements as prescribed by the intended major by the appropriate date. Example: portfolio, art test, music audition.

7. Transfer students with 39 or more college level credits must enter with a declared major. Exceptions to this policy may be considered with the approval of the Chairperson, Department of Academic Enrichment.

8. Applicants will be considered on a rolling basis.

9. When approved for admission to the University, applicants will be required to make a non-refundable advance registration deposit. Students requesting on-campus housing will be required to submit an additional non-refundable housing application fee by May 1.

10. A favorable admission decision is based upon the student's qualifications at the time of the offer and is contingent upon the student maintaining those standards through the end of the semester. Students must submit a final official transcript to the Office of Undergraduate Admissions.

Re-Entry Students

The University welcomes the return of students who did not complete their degrees. The student's previous Kutztown University academic record will be the major criterion in determining re-entry. Students should be aware that some major programs have restricted enrollments and/or specific entrance requirements.

Readmitted Students: Any student who has previously attended Kutztown University is required to complete a Request for Readmission at the Office of the Registrar and pay the $35 application fee.

Transfer Readmitted Students: Students applying for re-admission who have attended other institution(s) since leaving Kutztown University must submit an official transcript from each college. Students are required to apply through the Office of the Registrar and complete a Request for Readmission and pay the $35 application fee.

Second Degree

A student who has earned a bachelor's degree at a college or university in one field of study and wishes to earn a second undergraduate degree in another field of study is classified as a second degree student. This does not apply to anyone interested in the field of Education. Students must complete an application for admission, pay a $35 application fee, and submit official copies of their college transcripts from all post-secondary institutions attended.

Transient Students

This classification applies to a student who is enrolled at another college or university, excluding visiting students from Pennsylvania's State System of Higher Education institutions, and who wishes to take courses at Kutztown University. Transient students are required to submit an application for admission to the Office of the Registrar and pay a $35 application fee.

Visiting Students

This classification applies to a student who is enrolled at another Pennsylvania State System institution (one of the 14 State Universities of Pennsylvania) who wishes to take courses at Kutztown University. Visiting students are required to submit a Visiting Student Application available in the Registrar's Office.

Homeschooled Students

Kutztown University welcomes applications from students who have been homeschooled. Please review the guidelines under the freshmen/transfer sections as well as the following information:

A. Homeschooled applicants should submit a grade transcript if available and the official evaluation for each grade from 9 to 11. A final grade transcript (if applicable) and evaluation must be submitted when the final year of homeschooling is complete.

B. All homeschooled applicants are required to submit ACT or SAT scores.

C. If an official high school diploma is not awarded by an agency, homeschooled applicants must submit a copy of the GED diploma and

the GED scores from all five sections of the test. This information must be mailed directly from the Department of Education of the state issuing the diploma. Students must receive a minimum total of 600 points on all four GED tests. Applicants may score no lower than 150 points on any individual test. Applicants are also allowed to retake any individual test they do not pass. Although there is no waiting period required to retest, GED exams can be taken only three times per year in Pennsylvania. The individual GED subject areas include:

- Reasoning through language arts
- Mathematical reasoning
- Social studies
- Science

D. Interviews for homeschooled applicants are not required but they are strongly encouraged for students graduating when they are younger than 17 years old.

INTERNATIONAL TRANSFER STUDENT

- Kutztown University International Application: A completed international online application form.
- Application Fee: A non-refundable application fee of $35.00 USD paid online via credit card.
- College/University Transcripts: Submit transcripts from every college and/or university you attended. Provide precise word-for-word translations if transcript is not in English. Unofficial transcripts are accepted for the application review process, however, official transcripts sent directly from your college/university are required for transfer credit evaluation and to complete your application file when you enroll at KU. Kutztown University reserves the right to require an external evaluation of any document from outside of the U.S. at any time in your academic career at KU, from application through graduation.
- English Proficiency: The language of instruction at Kutztown University is English and as such, all students must provide evidence that they have achieved a high enough level of proficiency in the English language to be successful in their courses. You may prove English proficiency in one of the following ways:
- Submit results from an English proficiency examination. Scores must be less than two years old. Unofficial results are accepted for the application review; official score reports are required to complete your application record when you enroll at KU.
    - IELTS: 6.5 Overall Score
    - TOEFL: 79 internet-based test
    - PTE: 53 Overall Score
    - Duolingo English Test: 105 Overall Score

    - SAT: Evidence-Based Reading and Writing score of 560 (KU School Code 2653)
    - ACT: 21 English/Writing Score (KU School Code 3706)

- Waiver: Request a waiver of this requirement if you are from one of the countries on the website where English is the primary language for students.
- Study at a U.S. College/University: We will waive the English language requirement if you studied at a U.S. college or university for at least one academic year, earned at least 24 college-level semester credits (or 36 quarter credits) and have completed the equivalent of CMP 100, Effective Composition, with a grade of "C" or higher.
- Conditional Admission and ESL: Attend and complete an English as a Second Language (ESL) program at Northampton Community College. Take English Composition and Speech Communication courses at Northampton, earn a grade of "C" or higher, and transfer to Kutztown University. We will offer you conditional admission if your academic records meet the admissions criteria and you only need to improve your proficiency in the English language.
- Secondary School Certificate: Although it will not be used to review the application for admission, an official final secondary school transcript is required to complete the application file. The exception to this requirement is for students who have earned:

    1) An associate's or higher degree or;
    2) 30 or more college-level semester credits (or 45 quarter credits).

- Portfolio: Students applying to the Applied Digital Arts, Art Education, Communication Design, Crafts, or Studio Art majors must submit a portfolio.
- Audition: Students applying to the Commercial Music, Music, Music Education, or Music Performance major must audition.

All applications for admission should be sent to:

Office of International Admissions and Services
P.O. Box 730
Kutztown University
Kutztown, Pennsylvania 19530, USA

Tuition and Fees

While subject to change without notice, the following tuition and fee amounts apply to all Kutztown University undergraduate students at press time:

All required tuition and fees are listed and defined on these websites:

For Undergraduate Program Tuition and Fees see the Office of Student Accounts at https://www.kutztown.edu/affordability/tuition-and-fees-(undergraduate).html

For Graduate Program Tuition and Fees see the Office of Student Accounts at https://www.kutztown.edu/affordability/tuition-and-fees-(graduate).html

Deposits

Advance Registration Deposit - An Advance Registration Deposit of $275.00 must be paid when an applicant wants to accept the offer of admission after submitting an application. This can be paid online using MyKU log on information, by mail with check or money order, or in person with cash, check, or money order. This fee is non-refundable under any condition.

Housing Application Fee - Incumbent students must pay a $75 application/preference fee for each year they choose to live on campus. First semester students do not have to pay this fee. For housing requirements and more, please contact Housing and Residential Services 610-683-4027.

Delinquent Accounts

No student with an account in delinquent status shall be enrolled, graduated, or permitted to receive a transcript of records or diploma until all outstanding fees have been paid in full. Any student account in delinquent status at the end of a semester may be placed with the Pennsylvania Office of the Attorney General and/or collection agencies for collection and legal action.

Withdrawal and Refunds

From the Institution - Students withdrawing from the institution must inform the Registrar's Office in writing. In the event that all courses are dropped via MyKU, notification of such must still be sent to the Registrar's Office. Failure to do so could affect a student's academic status, as well as the student's financial aid eligibility. The official date of withdrawal for the purpose of a refund (or reduction of charges) will be the date the Registrar's Office receives notification. The percentage below is the amount by which charges will be adjusted. This applies to students who withdraw from all University courses and no longer have a schedule. Any students receiving financial aid are encouraged to meet with Financial Aid Services prior to withdrawing as all, or a portion of, aid received (or refunded) may have to be returned. The tuition technology fee is non-refundable. This schedule pertains to Fall and Spring semesters. The Drop Period in Summer/Winter Sessions is the first two days of the session.

During the Drop Period (roughly the 1st week of the semester) 100%
Through the end of week 2 ..... 80%
Through the end of week 3 ..... 60%
Through the end of week 4 ..... 50%
Through the end of week 5 ..... 40%

After the fifth week 0%

Students withdrawing from the institution who are residence hall students and/or have a meal plan please see the appropriate sections below.

From a Course(s) - Students withdrawing from a course or courses and not withdrawing from the Institution completely, may do so via MyKU through the Drop Period for a refund or reduction of charges. Course withdrawals processed in the Registrar's Office will have an official date of the date they receive notification. The percentage below is the amount by which charges will be adjusted. The tuition technology fee is non-refundable. This schedule pertains to Fall and Spring semesters. The Drop Period in Summer/Winter Sessions is the first 2 days of the session. Please note that if you withdraw from a course or courses after the Drop Period there is no refund or reduction in charges.

During the Drop Period 100%
After the Drop Period 0%

Withdrawal from Residence Hall - Students who cancel housing after July 1, but are continuing full-time enrollment at Kutztown University, are responsible for payment of the Fall and Spring semester housing fees. Room fees are refundable (charges reduced) according to the policies described in the Housing Contract. Students eligible for an actual refund will have it issued by the Office of Student Accounts via the normal refund process and using the refund policies. The reduction in charges for students withdrawing from the University during the semester will be based on the date of official check-out from the residence hall.

Withdrawal from Meal Plan - A meal plan change or cancellation may be requested, in writing, prior to the start of the semester or during the first two weeks of the semester. No changes to, or cancellations of the meal plan will be permitted after the second week of the semester. When a student contractually withdraws from a residence hall, a meal plan change or cancellation may be requested in writing. Withdrawal from a residence hall does not automatically cancel the student's meal plan contract. If a student withdraws from the University, the unused portion of the meal plan is refundable in accordance with University policy. If withdrawal from the meal plan is required after the second week of the semester because of special circumstances, such as serious illness or other emergency situations, a student may qualify for a reduction in charges and subsequently a refund through the Office of Student Accounts via the normal refund process and using the refund policies. The appeal process for special circumstances should be addressed to the Dining Services Office at (610) 683-1314 or kudiningservices@kutztown.edu.

Refund Policy - The most up-to-date withdrawal/refund policy can be found on the Office of Student Accounts Website: https://www.kutztown.edu/about-ku/administrative-offices/student-accounts/withdrawal.html

Billing and Payment Information can be found here
– https://www.kutztown.edu/affordability/bills-and-paying-your-tuition.html

General Student Account information can be found here
- https://www.kutztown.edu/about-ku/administrative-offices/student-accounts.html

Academic Policies and Procedures

Academic Forgiveness for Undergraduates
Academic readiness and situational factors may affect the academic performance of undergraduate students, especially first-time students, in the university setting. For a variety of reasons, including poor performance, students separate from the University and involve themselves in work and other life experiences. At present, students with a history of poor performance who choose to return to Kutztown University after years of separation often face obstacles created by their previous academic record.

The academic forgiveness policy applies to undergraduate students who seek readmission to Kutztown University after having been separated from the University for at least four years. Students must submit a completed Academic Forgiveness Application to the Office of the Registrar at the time of readmission to the University. If granted, the student will start the rest of the program of study with a 0.00 GPA. Academic Forgiveness may only be applied once to a student's academic record and will only be applied if the student earns a semester GPA of 2.0 or above during the student's first semester back. Academic Forgiveness will be applied to the student's record after the student completes the first semester with a GPA of 2.0 or higher. The student must be registered for at least 12 credits during that first semester.

A student who receives Academic Forgiveness must take at least 24 additional credits of graded coursework at Kutztown University before a degree will be granted. The GPA calculations and individual course grades earned during the previous period of attendance will remain part of the permanent transcript record. A notation will be made on the transcript indicating that the Academic Forgiveness Policy was applied and that the calculation of the overall GPA is based solely on grades earned after re-admission to the University. Students would keep credits earned previously in courses for which a final grade of "C" or better was recorded. As is the case for transfer credits from other institutions, credits toward a degree will not be granted for courses in which a grade less than "C" was earned during the previous period of enrollment at Kutztown University.

This policy does not replace or alter the "10-year" rule and so students must be aware that courses in the major taken over 10 years prior to re-entry may be judged to be not applicable toward a degree.

Academic Honesty

Undergraduate students at Kutztown University are expected to be honest and forthright in their academic endeavors. Any acts of academic dishonesty by students, such as plagiarism on written papers/projects, falsifying the results of research, or cheating on examinations, threaten to undermine the educational and ethical goals of the University for its students. Such violations are of the utmost seriousness. Academic dishonesty is any action that constitutes a violation of the Academic Honesty Policy and includes, but is not limited to, the following:

1. Providing or receiving unauthorized assistance in coursework, examinations, or lab work.
2. Using unauthorized notes, materials, and devices during examinations or quizzes.
3. Plagiarizing or representing someone else's words, either spoken or written, ideas, formulas, solutions, or data as one's own work.
4. Presenting material to fulfill course requirements that was researched or prepared by others (such as commercial services) without the knowledge of the instructor.
5. Fabricating or falsifying information, including, but not limited to research findings, data, or statistical analyses; forging signatures; or altering dates.
6. Engaging in academic misconduct such as tampering with grades or participating in the distribution and/or receipt of any part of a test before its administration.
7. Possessing or arranging for someone else to possess course examination or quiz materials at any time without the consent of the instructor.
8. Altering or adding or expanding upon answers on exercises, examinations, or quizzes after the work has been graded.
9. Making fraudulent statements, excuses, or claims to gain academic credit or influence testing or grading.
10. Taking examinations or quizzes under the identity of another person or arranging to have another person take examinations or quizzes in place of the person registered for the course.
11. Intentionally evading Kutztown University academic policies and procedures; for example, improperly processing course withdrawals, grade changes, or other academic procedures.
12. Buying, selling, stealing, or engaging in the unauthorized exchange of, or improperly acquiring and/or using, any assignments, papers, or projects.
13. Misrepresenting a mastery of subject matter in an academic project or attempt to gain an advantage by the use of illegitimate or unauthorized means, such as misrepresentation of one's credentials.
14. Gaining unauthorized access to the computer system and/or electronic devices of Kutztown University or another person. Violations include tampering with or copying programs or data or access codes associated with coursework.
15. Using graded assignments in another course. Exceptions to this guideline must be specifically stated in the course syllabus.

Academic Warning, Probation, and Dismissal
All newly admitted, re-entry, and transfer students must meet the following minimum requirements for continuing enrollment in good academic standing – maintaining a minimum cumulative grade point average (CGPA) of 2.00 or higher for all work taken at Kutztown University.

Academic Warning: Any full-time student falling below the 2.00 CGPA at the end of any fall or spring semester will be placed on academic warning. Part-time students will be evaluated every 12 credits and will receive an academic warning whenever this evaluation shows their CGPA to have fallen below 2.00. Only one semester of academic warning is allowed during a student's academic career at Kutztown University. In an academic warning semester, the student: (1.) is not considered to be in good academic standing; (2.) is prohibited from participating in any sporting organization activity or leadership position in student organizations; (3.) is expected to contact the Department of Academic Enrichment and to use academic support services to remediate academic difficulties; and, (4.) may register for no more than 15 credits for the subsequent semester. Academic warning in the spring is not effective if the student takes courses during the winter and attains a CGPA of 2.0. Academic warning in the fall is not effective if the student takes courses during the summer and attains a CGPA of 2.0.

Academic Probation: A student who falls below the 2.00 CGPA after one full-time semester of academic warning shall be placed on academic probation. The CGPA of a part-time student who has received an academic warning must be brought up to 2.00 or higher within 12 credits attempted or the student will be placed on academic probation. The University will notify the student, in writing, regarding the danger of dismissal. Only one semester of academic probation is allowed during a student's academic career at Kutztown University. During the semester of academic probation the student: (1.) is not considered to be in good academic standing; (2.) is prohibited from participating in any sporting organization activity or leadership position in student organizations; (3.) is expected to contact the Department of Academic Enrichment and to use academic support services to remediate academic difficulties; and, (4.) may register for no more than 15 credits for the subsequent semester. Academic probation in the spring is not effective if the student takes courses during the winter and attains a CGPA of 2.0. Academic probation in the fall is not effective if the student takes courses during the summer and attains a CGPA of 2.0.

Academic Dismissal: A student who falls below the 2.00 CGPA after one full-time semester of probation will be dismissed from the University. The CGPA of a part-time student who has been placed on academic probation must be brought up to 2.00 or higher within 12 credits attempted or the student will be dismissed. Dismissal letters are sent out at the end of the fall and spring semesters. Dismissal in the spring is not effective if the student takes courses during the winter and attains a CGPA of 2.0. Dismissal in the fall is not effective if the student takes courses during the summer and attains a CGPA of 2.0.

Readmission of Dismissed Students: A student dismissed from the University must petition the Undergraduate Exceptions Committee (UEC) for an additional semester of academic probation prior to readmission. Students readmitted to the University will have a maximum of two full-time semesters (24-30 credits) to reach a CGPA of 2.00. During that time, the student must maintain a CGPA of at least 2.0 for each semester of work following readmission. Failure to maintain a CGPA of 2.0 for each semester until the CGPA reaches 2.00 or higher will result in a second dismissal. Any student who is dismissed from the University for failure to maintain a CGPA of 2.0 a second time is not eligible for future readmission.

Advanced Placement

Students enrolled in Advanced Placement courses during high school are administered the Advanced Placement Examinations in May by the College Entrance Examinations Board, Princeton, New Jersey, to test the extent to which they have succeeded in meeting the university-level demands of certain introductory courses at the university. Students earning a grade of "3-Qualified" or better are given advanced standing and university credit for the courses in question. In some cases, students must earn a grade of "4 – Well Qualified" to be given advanced standing and university credit for the courses in question. Contact Testing Services for further information.

Audio and Video Recording

Individuals at Kutztown University will respect the privacy of others at the University. The University does not condone the recording of any University activities when participants are unaware that such recordings are being made. Therefore, the audio or video recording of classes, meetings, or other conversations is prohibited, unless the recording is made with the prior consent of the parties involved or otherwise required by law, University policy, or law enforcement exemption. Classes may be audio- and/or video-recorded by the professor or by a student in the class for personal use with the prior consent of the professor or as otherwise required by law or University policy. Class participants should generally be informed when a class may be recorded. However, professors should not disclose the identity of students recording classes under an accommodation. Class recordings by students may not be downloaded to any computer, uploaded to the Internet, or otherwise shared, transmitted, or published without the further, prior written consent of the professor and others being recorded. It is also a violation of this policy to download recorded meetings or conversations to a computer, upload them to the Internet, or otherwise share, transmit, or publish such recordings without the prior written consent of all participants.

Auditing Undergraduate Courses

Registrations for the auditing of courses will be considered tentative until the close of regular registration. If the registration of regular students fills the class quota or if regular registrants occupy all facilities, the students who have registered for auditing will be required to withdraw. The student would register "not-for-credit" and would pay the full fee. The student would not be required to take examinations, would be allowed to take

the course only with the approval of the instructor, and would not be given a grade in the course. Once the student had enrolled "not-for-credit," the student cannot change part way through the course except through special action by the Undergraduate Exceptions Committee, upon receipt of approval from the department chair, and the appropriate college dean. The student could take the course for credit at a later date. The student is permitted to audit no more than one course per semester.

Change of Major, Minor, or Academic Advisor
Any student may request a change of major, minor, or academic advisor, however individual academic departments often have special criteria that must be satisfied before approval for change of major is granted. Students should check the college and department requirements carefully before making such a request. All changes of major, minor, or academic advisor will become effective on the date that the request is received in the Registrar's Office. A student who changes into a new major/minor, adds an additional major/minor, or re-enters a previous major/minor program must comply with all course and degree requirements that are in force on the effective date of the change, addition, or re-entry. For all changes of advisor, major, track/concentration, or minor, students should see the chair of the department that administers that major, track/concentration, or minor.

Class Attendance
Regular attendance in class is expected of all students at the University.

Class Attendance: The individual instructor has both the authority and responsibility for managing student attendance. The instructor's policy regarding attendance for each course, including its potential effect on the final grade, should be written in the course syllabus or first day handout and communicated to students during the first week of the semester. While, as stated above, classes are conducted on the premise that regular attendance is expected, the University recognizes certain activities and events as legitimate reasons for absence from class.

Class Absence: Legitimate reasons for absence include, but are not limited to, death in the immediate family; documented illnesses, childbirth, and pregnancy (for as long as medically necessary); religious observance; academic field trips; participation in an approved performance or athletic event; military duties; direct participation in University disciplinary hearing; or jury duty. Nevertheless, the student bears the responsibility for providing appropriate documentation and for fulfilling all course expectations in a timely and responsible manner. Instructors will, if requested, without prejudice, provide students returning to class after a legitimate absence, with appropriate assistance and counsel about completing missed assignments and class material, depending on the nature of the work missed.

College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) enables both traditional and non-traditional students to earn college credit by examination. Furthermore, CLEP assists students with prior experience to earn college credit by examination. Kutztown University administers both the General Examination and the Subject Examinations. Advanced standing and credits are awarded for each CLEP examination when the student earns an acceptable score as recognized by the University. The General Examination measures college-level achievement in five areas of the Liberal Arts and Sciences. These areas are: Mathematics, Humanities, Natural Sciences, Social Sciences and History. The CLEP Subject Examination measures achievement in specific college courses. These examinations emphasize principles, concepts, relationships, and applications of course materials.

Students may earn up to 21 credits from the battery of CLEP General Examinations in the following distributions: English – 3 credits; Mathematics – 3 credits; Humanities – 6 credits; Natural Sciences – 6 credits; and Social Sciences and History – 6 credits. For specific CLEP Subject Examinations and course credits, please contact the Testing Coordinator Office.

Course Repeat Policy

A student will be limited to a maximum total of six repeats. Repeats of a single course for grade improvement will be limited to a maximum of three repeats. When a student repeats a course, the credits are to be counted only once in determining the semester grade point average (GPA) and the total credits needed for graduation; the credits attempted are to be counted only once in determining the GPA, and the most recent grade in the course (regardless of whether it is higher or lower) will be used to calculate the semester GPA as well as the CGPA.

Course Withdrawals

When a student registers for classes, the student is responsible for those classes. To be relieved of this responsibility, the student must officially withdraw from those classes through the Registrar's Office. Failure to withdraw from a class for which a student registered, but is not attending, will result in a grade of "F" for that course.

Courses dropped during the first week of the semester will not be recorded on the student's permanent transcript unless the student withdraws from all classes, in which case a grade of "W" will be awarded. Students may withdraw from a single course or a full semester of classes with a grade of "W" between the second and tenth week of the semester. After the tenth week of the semester and through the last day of classes, a student who officially withdraws will receive a grade determined by the instructor.

The latest date for withdrawal from individual courses in a Summer Session will be published prior to the beginning of the specific session.

Credit by Examination
A full-time or part-time student who, by experience or training, acquired academic background or comprehension comparable to that required of students who complete a given course, with the written approval of the department chairperson and professor concerned, may submit to the Testing Services Office a request for the privilege of taking an examination in the course for the purpose of establishing credit for it (Challenge Examination). Appropriate forms are available in the Testing Services Office. A $25.00 administrative fee is charged for each Challenge Examination. The chairperson of the department concerned and the professor who is designated will prepare and administer a special examination in the course within 60 calendar days from date of approval by Testing Services. After grading the examination "Pass" or "Fail," the chairperson and designated professor will report the result in writing to the Registrar. For a grade of "Pass," the student will earn the academic credits that ordinarily are earned by completing the course covered by the examination. If a grade of "Fail" is achieved, "Fail" will be entered for the course on the student's transcript and the student must take the course for credit. No re-examination may be taken.

Please Note the Following Limitations: Approval for credit by examination will not be granted for students who:

- failed the course in a classroom situation.
- failed a challenge examination and want to repeat credit by examination.
- do not have verification of required qualifications by department chairperson and faculty offering the examination.
- do not have the agreement of the department/faculty member to offer the examination.

Dean's List
To qualify for the Dean's List in a particular semester, a student must take at least 12 credits of graded courses, excluding courses not used in calculating the GPA. In order to be placed on the Dean's List for a particular semester, the student must achieve a GPA of 3.60 or higher.

Double Major
A student interested in a double major must: (1.) successfully complete all the required work under each major; (2.) successfully complete all courses in one of the two concomitant areas; (3.) fulfill all course prerequisites must be fulfilled; (4.) have graduation approved by both departments or areas; and, (5.) have at least a 2.0 GPA in each major, unless the major has a specific GPA requirement.

Dual Degrees/Simultaneous Degrees
Undergraduate students at Kutztown University may apply to pursue more than one undergraduate major/degree concurrently with the first. Two diplomas will be awarded to students completing dual degrees. A single diploma will be awarded to students

completing dual majors. Students must be admitted to each major/degree and must fulfill all requirements listed. To earn a dual/simultaneous major/degree: (1.) The student may not be graduated until both majors/degrees are completed; (2.) All requirements for the curriculum of each major/degree must be satisfied; (3.) A course required in both degree programs does not have to be repeated for the second degree; (4.) A student must earn at least 18 credits in each major/degree that are not required in the other major/degree; and, (5.) All University requirements such as minimum GPA and number of credits taken at Kutztown University in the major must be met for each degree separately. A student wishing to earn a second baccalaureate degree after completing a first degree should refer to the Second Degree Policy.

GPA Calculations and Transfer Grades
Except where mandated by Board of Governors Policy, the GPA will be calculated on the basis of courses taken at Kutztown University for which a letter grade is given. Grades for courses taken at other institutions cannot be used in the calculation of the GPA at Kutztown University, and the grades for courses taken at other institutions will not appear on official Kutztown University transcripts, except where mandated by Board of Governors policy.

Grading
The system of grading at Kutztown University for undergraduate students is as follows:
A (4.0) A- (3.67) B+ (3.33) B (3.0) B- (2.67) C+ (2.33) C (2.0) D (1.0)
F (0.0) FN (0.0) (unearned failing grade) FA (failing grade) PA (passing grade)
S (satisfactory grade) U (unsatisfactory grade) NG (no grade reported) NC (no credit)
W (withdrawn) M (military withdrawal) I (incomplete grade)

I (incomplete grade): The grade awarded to students who have not satisfied all requirements of a given course. For undergraduate students, all deficiencies must be removed by the end of the tenth week of the next semester. Failure to meet this requirement automatically changes the "I" grade to an "F" grade.

There is no A+, C-, D+, or D-. There is no "D" grade for student grading in 400- and 500-level courses.

Under Title IV of the Higher Education Act of 1965, the awarding of Federal student aid is based on the assumption that students will attend school for the entire period for which financial aid is awarded. A university is required to determine the earned and unearned portions of Title IV aid as of the date the student ceased attendance based on the amount of time the student spent in attendance.

Graduation Requirements
Students who plan to complete requirements for the degree at the end of a current semester must apply for graduation through MyKU. Students who intend to participate in

Commencement exercises must be within six credits or one internship of the total number of credits required for their program of study.

Independent Study
Independent Study is a course of study specific in nature, content, and level that is not provided as a regular course offering of study at the University. An Independent Study would be designed by a faculty member with possible input from the student in question. The Independent Study would be subject to the approval of the chairperson of the department in which the course of study is undertaken. The option of offering a course by Independent Study within a particular academic department must have been previously approved through the University curricular process. A student wishing to pursue a course by Independent Study should contact a faculty member interested in offering such a course or the department chairperson in the department in which the Independent Study would be taken.

Individualized Instruction
For undergraduate students, Individualized Instruction is only available for those who have passed at least 30 credits. For graduate students, Individualized Instruction is only available after approval of degree candidacy and completion of 12 graduate credits. Professional credit students cannot register for an Individualized Instruction.

1. In order for a student to request a course to be taught by Individualized Instruction, it must be a regular University course that is not scheduled to be taught that semester.
2. It must be a required course in the student's program of study.
3. A student may take only one course by Individualized Instruction per semester.
4. A student may not repeat any course by Individualized Instruction without the approval of the Undergraduate Exceptions Committee or the Graduate Exceptions Committee, as appropriate.
5. The student initiates the request for an Individualized Instruction with the appropriate department chair. The course instructor, the appropriate department chair, and the appropriate dean must all approve that a course be taught by Individualized Instruction. The completed form must be submitted to the Registrar's Office by the last day of the add/drop of that semester.
6. A student enrolled in a course under Individualized Instruction should expect to meet with the instructor for at least five (5) contact hours per credit offered. Examinations and other work will be comparable to the requirements of the course when regularly offered.

Minors
Minor(s) are available on the following basis:

1. Each minor area requires between 18-21 credits.

2. Each department offering a minor determines the specific sequence of study that constitutes the minor.
3. The minor should reflect a minimum of six credits of advanced standing coursework. Exceptions to the advanced standing requirements may be granted on a case-by-case basis per request to the Chancellor.
4. A GPA of at least 2.00 is required in the minor.
5. In order to receive transcript recognition of a minor program, a student must complete half of the minor course work at Kutztown University.

Permission to Study at another College or University

Students wishing to study at another college and to transfer the credits earned to Kutztown University must obtain permission, in writing, prior to enrollment. The following conditions must be met: (1.) The college at which the student wishes to study must be a regionally accredited institution of higher education; (2.) The student must be currently enrolled and eligible for registration at Kutztown University the next semester: (3.) A student cannot repeat a course for credit at another institution for which the student earned a "D" or better at Kutztown University; and, (4.) Thirty (30) semester hours of the last sixty (60) semester hours of credit required for graduation must be completed at this institution. A minimum of thirty (30) semester hours must be taken at Kutztown University. Grades earned in courses taken at another institution will not be included in determining a student's GPA since only grades earned at Kutztown University affect this average. However, a minimum grade of "C" must be earned at the other institution for the credit to be accepted at Kutztown University.

Portfolio Assessment

Portfolio assessment is an alternative vehicle for defining, demonstrating, and documenting college-level learning achieved outside the classroom. Students who have the appropriate reading and writing competencies may take a three-credit independent study course available in the Fall and Spring semesters. The course encompasses relevant academic content, skill development, and ongoing guidance during the process of developing a learning portfolio. After completion of the course, students may submit the learning portfolio for evaluation for possible college credit. Evaluation of the portfolio is not part of the Independent Study course. The evaluation is done by faculty experts in the academic disciplines reflected by the student's learning and is subject to a separate assessment fee. For further information contact the Office of the Registrar.

Residency Requirements

All first baccalaureate degree students must complete at least 30 of their last 60 credits at Kutztown University and at least 50% of their major credits (including required cognate courses) at Kutztown University in order to meet graduation residency requirements. Students are not required to take more than 30 credits.

Second Degrees
An undergraduate student must be admitted to the second degree program through the undergraduate admissions process after completing the first degree program. Only coursework earned after admission to the second degree will fulfill the requirements listed. To earn a second degree:

1. All requirements for the curriculum of the major and required related courses of the major of the second degree must be satisfied.
2. A student must earn at least 30 credits at Kutztown University after matriculation to the second degree. At least 18 of these credits must be in the admitted major of the second degree.
3. The department will determine the currency of prior learning for major courses completed as part of the first degree. Courses that are deemed currently completed as part of the first degree do not have to be repeated for the second degree.
4. Completion of the first degree satisfies all general education requirements of the second degree. However, required related courses must still be completed. For example, a second degree Physics major would still need to complete Calculus coursework, even though there would be no general education Math requirement.
5. All University requirements, such as a minimum GPA of the major and number of credits taken at Kutztown University in the major, must be met.

Ten Year Rule
Kutztown University welcomes the return to higher education of students who for various reasons did not complete their degrees. Such students should be aware that courses taken in their major discipline ten years or more prior to the resumption of study perhaps might not be counted toward graduation because such courses may no longer be considered current or may no longer be required for the degree. The Registrar, in consultation with the appropriate department chair, will determine the acceptability of these credits.

Transfer Credits
Advanced standing credit will be given only for equivalent courses completed in regionally accredited degree-granting institutions of a collegiate level. No student may obtain a degree without a minimum residence of one year (30 semester hours) at Kutztown University. All baccalaureate degree students are required to take at least 30 of their last 60 credits and at least fifty percent (50%) of their major courses at Kutztown University.

Transfer Credits in Major/Minor
In order to graduate from a particular major/minor at Kutztown University, students transferring from any other institution of higher education to Kutztown University will be required to complete at least half of the minimum credits required in their major/minor field at Kutztown University. The courses to be taken to fulfill this requirement must be

at the upper level. In some cases, in order to comply with this regulation, a student may be required to complete more than 120 semester hours for the degree.

University Withdrawals
Any student dropping out of the University prior to the end of any academic term must officially withdraw. This is accomplished by completing a formal withdrawal form available in the Registrar's Office. Failure to follow this procedure when withdrawing from the University may result in failing grades in all courses being taken at the time of withdrawal. The date the Registrar is notified in writing, with the student's original signature, is the official date of withdrawal. If the student completes the withdrawal process with the Registrar's Office prior to the two weeks before the beginning of final examinations, then the student will receive "W" grades for all courses. If the student completes the withdrawal process with the Registrar's Office within two weeks of the beginning of final examinations, then the student will receive "F" grades for all courses when withdrawing from the University. A student who fails to formally withdraw can apply to the Undergraduate Exceptions Committee, claiming extenuating circumstances. The Undergraduate Exceptions Committee may then award the student a grade of "W" for all courses being taken when withdrawing from the University.

Veteran and Active Duty Military – Course Scheduling
The University will provide veteran students, active duty service members, and individuals using veteran's educational benefits under the GI Bill® with the opportunity to register for classes earlier than students who do not qualify to enable these students a better chance of enrolling in a full course load and to maximize veterans education benefits before they expire. A veteran student who is not receiving benefits but who has self-identified as a veteran is responsible for providing documentation (e.g., DD214 Member 4 copy) to the Kutztown University Office of Veterans Services showing that he or she was discharged or released from such service under conditions other than "dishonorable," in order to be eligible for early registration.

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill.

Effective August 1, 2019, the State Approving Agency, or the Secretary when acting in the role of the State Approving Agency, shall disapprove a course of education provided by an educational institution that has in effect a policy that is inconsistent in the areas below:

NOTE: A ***Covered Individual*** is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill benefits.

- Your policy must permit any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website e-Benefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

    1. The date on which payment from VA is made to the institution.
    2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

- Your policy must ensure that your educational institution will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

Student Life

Association of Campus Events (ACE)
Students have diverse opportunities in which to invest leisure time and to learn and develop outside the formal academic environment. Activities are conducted for the personal development of those who initiate, plan and engage in them, and as a varied co-curricular adjunct to academic programs.

The Association of Campus Events (ACE) under the auspices of the Office for Student Involvement, consistently produces a wide array of lectures by prominent personalities, concerts by contemporary musicians, performances by professional artists and actors, movies, art exhibitions, excursions, panel discussions and special activities. Such programs are of a diverse nature to permit a maximum number of students to choose those suited to specific interests and needs. The Association of Campus Events is located in Room 166E of the Student Union Building and can be reached by dialing (610) 683-4097.

Athletics
The University is a member of the Pennsylvania State Athletic Conference, and competes at the NCAA Division II level. Varsity schedules for men include football, cross country, basketball, wrestling, tennis, indoor and outdoor track and field, and baseball. Women compete in tennis, field hockey, volleyball, softball, cross country, swimming, soccer, indoor and outdoor track and field, golf, basketball, bowling and lacrosse at the inter-collegiate level. Interested students should contact the coach directly. A wide offering of

club, recreational, and intramural sports is provided for both men and women through the Office of Recreational Services.

Career Development Center
One function of a college education is to foster the growth and development of the student in preparation for a meaningful and satisfying life after college. The Career Development Center helps students to enhance self-knowledge, design their educational and career plans, and build connections to secure meaningful experiences. They facilitate student learning and development by empowering them to actively pursue professionally rewarding lives. The following resources and services are provided to help students work on their career development plan and prepare for professional opportunities after graduation:

Career Programs and Workshops - The staff offers a variety of programs in collaboration with academic departments, campus clubs and organizations, and residence hall groups.

- Workshops on designing one's career path, internship and job-search strategies including using social media, interviewing strategies, salary negotiation, graduate school selection, and workplace and dining etiquette are also offered.
- Employer panels and networking sessions are offered to educate students about career paths and industries, employers, and to provide the opportunity to network with professionals.
- Practice/mock interviews with area recruiters.
- Walk-in hours are offered for in-person resume and cover letter reviews.
- A career certificate program is offered to encourage students to work on their career development plan.

Individual Counseling/Coaching **-** Students are encouraged to meet with a career coach to discuss their major selection, career development plan and goals, search strategies for internships and jobs, and effective interviewing.

Career Tests **-** Helping students identify their skills, abilities, and interests is key to a successful college experience. To help students in this area, a variety of assessment instruments are offered including the Career Key, Kuder Journey and StrengthsFinder.
Internships and Full-time Positions **-** To assist students with their search, the Career Development Center offers an on-line career management system for students to view postings and apply.

On-campus Interviewing and Career Fairs **-** Staff members work with business, industrial, government, and educational representatives who visit each year to present their organizations at fairs and to interview with students on campus. A graduate school fair is also offered yearly.
Career Resources **-** Numerous online and in-print resources are available to students.

Disability Services
Disability Services strives to create an accessible living and learning environment for students and employees with disabilities. Self-disclosing and requesting accommodations is voluntary although necessary in order to provide reasonable accommodations on an individual basis. Students seeking accommodations are strongly encouraged to notify Disability Services and provide all supporting documentation early to allow adequate time for planning. For more information concerning specific documentation guidelines, please refer to the Disability Services website at www.kutztown.edu/DSO. For more information about Disability Services, please contact: Disability Services Office, 215 Stratton Administration Building, P.O. Box 730, Kutztown, PA 19530. Telephone: (610) 683-4108, TDD: (610) 683-4499, Fax: (610) 683-1520

General Regulations and Conduct
Specific regulations regarding organizations, conduct, and discipline of students and related matters are to be found in the student handbook, *The Key*.

Health and Wellness Center
The Health and Wellness Center is located on the first floor of Beck Hall. The Center includes the following units:

- Clinical Services
- Counseling Services
- Health Promotion Services
- Alcohol and Other Drug Programs and Services
- Medical Records
- Wellness Resource Room

The Center is accredited by the Accreditation Association for Ambulatory Health Care (AAAHC) and the Counseling Center is accredited by the International Association for Counseling Services, Inc. (IACS). The units within the Center support the academic mission by providing quality health care, health promotion, counseling, and prevention services to the campus community. The counseling Center is open during the weekdays from 8:00 a.m. until 4:00 p.m. Counseling Services are extended to 6:00 p.m. on Tuesdays. Clinical Services is open Monday through Friday 8:00 a.m. to 6:00 p.m.

All matriculated undergraduate students who have submitted a health record and paid a health center fee are eligible for services. Graduate students are eligible for services if they agree to pay the health center fee. Services include routine illness/injury care. Emergency care is limited to first aid; all urgent medical and mental health issues are referred to community providers or emergency services.

In addition to departmental outreach programs, the Wellness Center provides a variety of health promotion activities and resources during open hours for students, staff, and faculty.

Summer hours of operations are limited to nursing appointments; physicians are unavailable for appointments. Additionally, counseling is closed during semester breaks and summer. See a listing of local providers, counselors, and urgent care numbers on our website.

A "self-care" station is available for those seeking over-the-counter medications. Although nursing and physician appointments are available without additional charges, some specialized services require a nominal fee (prescription medications, laboratory testing, etc.) and will be charged to the student's account.

For further information about Health and Wellness Services, call the Health Center at (610) 683-4082, or the Counseling Center at 610-683-4072, or review the web site at www.kutztown.edu/healthandwellness.

Housing and Dining Services

Campus Residence Halls

Kutztown University offers a multi-faceted residence hall system with a living-learning environment as its foundation. The Office of Residence Life, working in concert with student staff, hall councils, and other University offices, provides educational and personal growth opportunities by offering educational and social programs in the residence halls and apartments. In addition, students are afforded the opportunity to develop their leadership skills through participation on residence hall councils, the Residence Hall Association, and the National Residence Hall Honorary. Daily advisement and guidance are provided by in staff and trained student staff.

Facilities and Security

Each Kutztown University residence hall has a 24-hour desk operation that provides security, information, and equipment checkout. Desks are staffed by Residence Life – trained student desk receptionists. Other residence hall features include a multipurpose/recreation room, fully-equipped kitchens, television rooms, study lounges and laundry machines. In addition, resident students have access to game tables, DVD's, computers, board games, and much more. These amenities are provided by individual hall councils.

Residence Hall Technology

Kutztown University residence hall system offers high speed wifi access in each of the rooms and common areas. In addition, each hall also offers a wired internet access port for each resident as well a landline telephone system, and digital cable service. These amenities provide basic cable television service to each student room, allow each student direct access through the student's personal computer to computer networked services and the World Wide Web, and improved telephone service to all resident students.

Lifestyle and Visitation

Kutztown University's 11 residence halls and two apartment villages provide a variety of living and lifestyle options. Included in these options are both coed and gender inclusive housing.

Housing and Residence Life Policies

The Kutztown University residence hall system provides on-campus housing for over 4,000 students. Freshmen and sophomores are required to live on campus unless an exception is provided.

All resident students, except Golden Bear Village and Honors Hall residents, are required to participate in the on-campus meal plan. A number of meal plan selections are available to meet resident student needs.

The Kutztown University residence hall system is closed during recess periods. Housing will be available to international and exchange students, and student teachers, at an additional cost, during break periods. Please contact the Residence Life and Housing and Dining Services Office concerning break housing policies.

Housing Process

For further information, please contact the Residence Life and Housing and Dining Service Office at (610) 683-4027 or housing@kutztown.edu Website: www.kutztown.edu/housing

Housing License

All students offered on-campus housing must sign a housing license for the accommodations provided. Signed licenses must be on file with the Housing Office prior to student occupancy of a room.

Off-Campus Housing

The Dean of Students Office maintains a web site of available off-campus housing locations for students. This listing is available at och.kutztown.edu. The University does not approve, recommend, inspect, or regulate off-campus housing. Students make all arrangements independently. Leases or rental agreements are a private arrangement between the tenants and a property owner. The Borough of Kutztown and other municipalities, through housing codes, licenses, inspects, and regulates all rental properties within its jurisdiction. These off-campus locations are periodically inspected by Housing Code Enforcement Officers.

Dining Services

Dining Services offers a variety of meal plans that are categorized by meal type. The types include seven-day and five-day plans, Block plans and Dining Flex plans. Any student registered for classes may purchase a meal plan. Students living in the residence halls (except Golden Bear Village Apartments, Honors Building, and the efficiency Apartments in Dixon Hall) must select a seven-day meal plan.

Meal Plan Options

Kutztown University meal plans offer flexibility and freedom to eat what, where, and when you want with the convenience of two all-you-care-to-eat dining and seven retail locations across campus. The follow meal plans are available:

The follow meal plans offer seven-day unlimited access to the South Dining Hall and Cub Café:

MyTime Dining Diamond includes $250 Flex, 16 guest meal swipes
MyTime Dining Platinum includes $150 Flex, 16 guest meal swipes
MyTime Dining Gold includes $50 Flex, 8 guest meal swipes

The follow meal plans offer five day (M-F) unlimited access to the South Dining Hall and Cub Café:

MyTime Dining Maroon Plus includes$200 Flex, five guest meal swipes
MyTime Dining Maroon includes $50 Flex, five guest meal swipes

Additional meal plans include (meal swipes to be used at the South Dining Hall or Cub Café):

MyTime Dining 150 Block includes 150 Meal swipes and $250 Flex, five guest meal swipes
MyTime Dining 75 Block includes 75 Meal swipes and $100 Flex, five guest meal swipes
MyTime $500 Flex Plan includes $500 in Flex to use at any location
MyTime $250 Flex Plan includes $250 in Flex to use at any location

Dining Flex Dollars
Students have the option to have a dining flex dollar "declining debit" account. With a dining flex dollar account, you can purchase food at any of our dining locations on campus. Meal plans already include dining flex dollars. If you do not have a meal plan, you may start a dining flex dollar account with a deposit of $25.00. Additional flex dollars may be added to all dining flex dollar accounts in increments of $25.00. Unused dining flex balances at the end of the fall semester will roll over to the spring semester. However, at the end of the spring semester, any remaining dining flex dollars are non-refundable.

Kutztown University Activities Board (KUAB)
Students have diverse opportunities in which to invest leisure time and to learn and develop outside the formal academic environment. Activities are conducted for the personal development of those who initiate, plan and engage in them, and as a varied co-curricular adjunct to academic programs.

The Kutztown University Activities Board (KUAB) under the auspices of the Office of Student Involvement, consistently produces a wide array of lectures by prominent personalities, performances by professional artists and actors, movies, art exhibitions, excursions, panel discussions and special activities. Such programs are of a diverse nature to permit a maximum number of students to choose those suited to specific interests and needs. The Kutztown University Activities Board is located in Room 166E of the Student Union Building and can be reached by dialing (610) 683-4097.

Kutztown University Student Services, Inc. (KUSSI)
Kutztown University Student Services, Inc. (KUSSI) is an independent, non-profit affiliate of Kutztown University. KUSSI works with the University and Student Government Board (SGB) to provide free- and low-cost services to students and student-led organizations. KUSSI offers a variety of services to students through three operating divisions: KUSSI Service Center, KU Campus Store and Dixon Marketplace. KUSSI receives no subsidies of any kind and contributes its operating surplus to student activities, campus athletics and KU student scholarships. For additional information, please visit the KUSSI website https://www.kutztown.edu/kussi.

KUSSI Service Center
KUSSI Service Center offers a multitude of accounting and auxiliary services to students and student-led organizations within the Student Government Association (SGA). The service center provides SGA Accounting services (such as deposits, purchase orders, check requests) to all Gold status (sponsored) student organizations on campus, and manages private accounts and cash boxes for both Maroon status (registered) and Gold status student organizations. The office further supports student organizations through the SGA budgeting process and funding initiatives, along with SGA vehicle rentals and copier services for all eligible organizations. KUSSI Service Center also manages a variety of student-related Auxiliary services, including campus laundry facilities, snack and beverage vending machines, MicroFridge rentals, Graduation Festival, regalia, and senior portraits. KUSSI Service Center is located in the McFarland Student Union Room 173 and can be reached at (610) 683-4090.

KU Campus Store
KU Campus Store, a division of KUSSI, is a one-stop shopping location for all official KU merchandise. The store offers a wide array of apparel and gifts, computers and technology accessories, convenience items, art supplies, school supplies, and course materials. KU Campus Store has a large selection of new, used, rental, and digital course materials in-store, as well as convenient online ordering and payment options. A book voucher program is offered through the Financial Aid office enabling eligible students to purchase required course materials during the first two weeks of each semester using their anticipated aid. Every KU student registered for class has access to the Virtual Shelf, a customized app that automates each student's course list with a single sign on, providing the most convenient way to view and acquire all required course materials at

the lowest prices offered by the store. Other services offered by KU Campus Store include money orders, check cashing, shipping, and daily textbook sell back. KU Campus Store is conveniently located on the lower level of the McFarland Student Union and can be reached at (610) 683-4099. For more information, or to shop online, please visit www.kubstore.com.

Dixon Marketplace

Dixon Marketplace, a division of KUSSI, is the official campus marketplace for student goods such as convenience items, health and beauty aids, dorm and school supplies, KU apparel and trendy gifts. Students are able to take advantage of daily services such as copying, faxing, and photo processing. Dixon Marketplace is located on the ground level of the Dixon Residence Hall and is open until midnight, seven days a week. For additional information, please contact Dixon Marketplace at (610) 683-4966.

Military and Veterans Affairs

The specific needs of the campus subgroup consisting of students who are considered "Military-Affiliated" (Veterans of U.S. Military Service, Active Duty, National Guard, Reserve Military, and Military Dependents) are the responsibility of the Office of Veterans Services. The Veterans Services Office assists students using military and VA educational benefits with the required paperwork, and also provides support and referral services for all military-affiliated students, on a variety of special concerns. Veteran's liaisons are in key areas such as admissions, financial aid, bursars, career services, disability services, housing, and the registrar to further assist military-affiliated students throughout their academic career.

Office of Student Involvement Services

Recognizing the value of co-curricular experiences as part of the general education of students, Kutztown University promotes and encourages student involvement outside the four walls of the classroom. By challenging and supporting them to reach their unique potentials, the University helps students become active, responsible, and involved leaders in today's society.

Through the Office for Student Involvement Services, the University offers a variety of resources and services designed to support student involvement. As a result, the Office oversees the registration and maintenance of all student organizations. Whether seeking to become involved in programs that are career-oriented, athletic, religious, literary, artistic, social, or political in nature, students can find a student organization to match their interests and are encouraged to take advantage of these experiential opportunities to prepare for post-graduation employment or education. The Office for Student Involvement Services is located in 153 McFarland Student Union and can be reached at (610) 683-1383.

Public Safety and Police Services
Kutztown University places the safety of every member of the university community as a top priority and espouses the belief that all members of the community are responsible for assisting with maintaining as safe and secure an environment as possible. The Department of Public Safety and Police Services is the primary administrative office responsible for safety, security and police services at Kutztown University. The department consists of sworn police officers plus civilian administrative and support staff and utilizes an outside security agency to perform dispatch, security and parking-related functions.
Public Safety protects and serves the KU community 24 hours a day, every day of the year. The department is centrally located on the lower level of Old Main with staff on duty 24 hours a day to take calls for campus emergencies (610) 683-4001 and non-emergencies (610) 683-4002.

Rohrbach Library
The Rohrbach Library provides a wide range of resources and services to its patrons, such as access to full-text databases, research related services, reserving study rooms, laptops and other equipment, interlibrary loan access, computer labs and printing stations. The Library houses various collections of books, DVDs, and electronic resources. Our electronic resources include access to over 200,000 EBooks and full-text articles located in one of our 200+ searchable databases that students can access from on and off campus. Interlibrary loan is available to obtain books and periodical articles not owned by Kutztown University from libraries throughout the United States. Students can also find a number of computer labs and printing stations available for use as well as collaborative learning spaces with technology which are available for students and faculty to use while working on assignments or for classroom instruction.

The library also houses a café and outdoor balcony for its students. In addition, the Rohrbach Library has their very own creative space called STEAMworks that contains remarkable equipment, such as 3D printers, poster size printers, button makers, sewing machines, craft supplies, and even virtual reality technologies. Rohrbach also houses other important units that include *Curriculum Materials Center (CMC), Center for Academic Success and Achievement (CASA), Tutoring, and the Writing Center.

The Rohrbach Library staff is available to help students with a wide variety of services. Our research services office provides students with one on one research consultations with librarians throughout the semester. Librarians meet frequently with classes from all areas of curriculum to discuss specialized research tools and teach over 200 information literacy classes per year to help students use the library for class assignments. Your library's faculty are here 350 combined hours a week to assist you with your library needs.

Rohrbach Library staff encourage students, faculty, and other patrons to become familiar with library services and collections and to take advantage of this important intellectual resource as they participate in the various programs of study at the University.

The collection includes books (textbooks, activity books, and other teacher-focused books), kits (diagnostic tests, manipulatives, games, etc.), and teaching posters. Adjacent to the CMC is the Library Science Collection of children's literature. Together these collections offer KU students and faculty over 40,000 educational items for use in planning, learning, and teaching.

The collections are overseen by the education librarian, whose office is located in the area. In addition, there are 10 open tables that are used when classes come to use the collections during class time or for individuals and groups to use for working on assignments, and there is a room that the librarian uses for teaching COE classes or groups about the library's resources.

*The Curriculum Materials Center (CMC) contains pre-K through grade 12 resources for pre-service and in-service teachers. The CMC's main mission is to support the College of Education students and faculty by maintaining a representative collection of curriculum-related materials commonly used in U.S. public schools.

Student Government Association (SGA)
All students who pay the Student Activity Fee are members of the Student Government Association (SGA). From their membership, the SGA selects representatives who form the Student Government Board (SGB). The Board presents student opinion and provides a forum for discussion in matters affecting campus life. In addition, it allocates appropriations from the activity fund to various organizations and programs, recruits students to become involved in the University governance structure, and collaborates with other constituent groups to develop policies that affect student life. Student Government is also affiliated with KU Student Services, Inc.

Student Conduct
Kutztown University has developed student conduct standards, policies, and procedures for addressing student and student organization misconduct as published in the student handbook, *The Key* and other official university publications and websites. Information related to disciplinary processes, reporting forms, and support services can be found on the Student Conduct website at www.kuztown.edu/studentconduct. For information please contact the Dean of Students Office at studentconduct@kutztown.edu.

Vehicle Registration
Anyone who wants to park a vehicle on campus, whether it be for a day, a week or a semester, must present a valid vehicle registration and driver's license to the Department of Public Safety. A temporary hang tag or permanent sticker will be issued to the person requesting parking privileges. This pass must be displayed properly on the registered vehicle at all times when it is parked on campus.

ACADEMIC DEGREES & PROGRAMS

Kutztown offers more than 100 undergraduate-degree majors, minors, and concentrations in four major colleges: College of Business, College of Education, College of Liberal Arts & Sciences, and College of Visual & Performing Arts.

COLLEGE OF BUSINESS

The Kutztown University College of Business, part of the Pennsylvania State System of Higher Education, emphasizes teaching and learning enriched by applied and pedagogical scholarship and community engagement. We serve students from diverse backgrounds, the business community, and other stakeholders of Southeastern Pennsylvania and the surrounding areas. Our Small Business Development Center assists in this effort and promotes economic development throughout the area. Our undergraduate and graduate degree programs provide high quality, affordable business education. Faculty lead and engage students to prepare them for intellectual, social, ethical, and career challenges.

-Dr. Anne Carroll, Dean

Bachelor of Science

B.S. Sport Management

Bachelor of Science in Business Administration

B.S.B.A. Accounting

B.S.B.A. Finance (General)

B.S.B.A. Management

B.S.B.A. Marketing

B.S.B.A. Personal Financial Planning

B.S.B.A. Supply Chain Management

Minors

Business

Coaching/Athletic Administration

Economics

Fitness Administration

Leadership

Supply Chain Management and Logistics

NAME

ID NUMBER

EFFECTIVE DATE
AUGUST 27, 2018

VERSION
2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3
CREDITS EARNED: 0

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED: 12
CREDITS EARNED: 0

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED: 9-12
CREDITS EARNED: 0

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	Directed: CSC 101		
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

PROGRAM CODE
UCOBLSS

EFFECTIVE DATE
FALL 2018

VERSION NUMBER
2188

COLLEGE OF BUSINESS

SPORT MANAGEMENT

BACHELOR OF SCIENCE IN SPORT MANAGEMENT

STUDENT:

STUDENT ID NUMBER:

SPORT MANAGEMENT

REQUIRED COURSE	CR	GRADE
1.SPT 160 INTRO TO SPORT MANAGEMENT[1]	3	
2.SPT 195 ACCOUNTING SURVEY FOR SM[1,2] or PRO 120 ACCOUNTING SURVEY FOR PS	3	
3.SPT 212 SPORT PR AND COMMUNICATION[1]	3	
4.SPT 230 LEADERSHIP AND TEAM BUILDING[1]	3	
5.SPT 236 PERSONAL SELLING IN SPORT[1]	3	
6.SPT 260 PRINICPLES OF SPORT FINANCE[1, 2]	3	
7.SPT 265 MANAGING SPORT ORGZNIZATIONS[1]	3	
8.SPT 270 SPORT AND SOCIEITY[1]	3	
9.SPT 285 SPORT MARKETING AND SPONSORSHIP[1]	3	
10.SPT 290 FUNDAMENTALS OF SPORT LAW[1]	3	
11.SPT 305 EMERGENCY CARE AND RISK MGMT[1]	3	
12.SPT 320 SPORT ETHICS[1]	3	
13.SPT 330 EVENT AND FACILITY MANAGEMENT[1, 2]	3	
14.SPT 345 INTERNATIONAL SPORT BUSINESS[1, 2]	3	
15.SPT 350 INTERNSHIP IN SPORT MGMT[1,2,3]	6-12	
TOTAL CREDITS 48-54		

Free Electives

ANY COURSE IN DEPT. OF SPORT MANAGEMENT OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 21-30		

NOTES:

If you register for a course without the prerequisites, you will be dropped from the course.

1. SPT160 must be passed with a grade of "C" or higher to progress to all required courses.

2. Prerequisites (in parenthesis) must be satisfied.
SPT 195 (CSC101), SPT 260 (195), SPT 330 (285 & 290), SPT 345 (285), SPT 350 (330).

3. Students are required to attend a mandatory internship meeting a full semester prior to taking SPT 350 Internship in Sport Management.

Directed General Education Course

THIS IS A COURSE THAT IS ALSO PART OF THE DEGREE PROGRAM.

COURSE	CR	General Education Category
CSC 101 Computer Applications	3	C.2

Suggested Free Elective Options

PREREQUISITES (IN PARENTHESIS)

- PEC 011-095 Physical Activity Classes (no more than 3)
- SPT 120 Personal Nutrition
- SPT 201 Scientific Basis for Human Movement
- SPT 205 Sport Behavior
- SPT 210 Sport Management Practicum
- SPT 216 Exercise Physiology (SPT 201)
- SPT 222 Fundamentals of Coaching
- SPT 226 History of Sport
- SPT 250 Methods of Group Fitness Instruction
- SPT 275 Statistics in Sport (MATH 017 or higher)
- SPT 300 Applied Sport Psychology (SPT 205)
- SPT 310 Fitness Assessment and Exercise Programming (SPT 201)
- SPT 312 Intercollegiate Athletic Administration
- SPT 315 Prevention and Care of Athletic Injuries
- SPT 325 Sport Consumerism (SPT 160 & 285)
- SPT 333 Principles of Strength and Conditioning (SPT 201)
- SPT 335 Methods and Evaluation in Athletics (SPT 222)
- SPT 340 Coaching Internship (SPT 222)
- SPT 366 Personal Fitness Trainer
- SPT 372 Selected Topics in Leisure and Sport Studies
- SPT 375 Research Methods for Sport Management

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		QPA IN ALL COURSES AT UNIVERSITY	2.0	
PROGRAM REQUIREMENTS	48-54		QPA IN ALL MAJOR REQUIRED COURSES	2.0	
FREE ELECTIVES	21-30				
TOTAL CREDITS	120				

Sport Management Major

Suggested Course Sequence

Freshman			
Semester 1		**Semester 2**	
CMP 1	Composition 100 level	CMP 2	Composition 200 level
Gen. Ed.	B. 1.	CSC 10	Computer Applications
Gen. Ed.	A. 3.	Gen. Ed.	C. 1.
FYS 100	First Year Seminar	Gen. Ed.	D. 1.
SPT 160	Intro. to Sport Mgt.	Free Elective	Student's choice
Sophomore			
Semester 1		**Semester 2**	
SPT 195	Acctg. for Sport Mgt.	SPT 265	Mgt. of Sport Orgs.
SPT 212	Sport Public Relations	SPT 236	Personal Selling in Spt.
SPT 270	Sport & Society	SPT 230	Leadership & Team
Gen. Ed.	B. 2.	Gen. Ed.	D. 2.
Gen. Ed.	C. 2.	Free Elective	Student's choice
Junior			
Semester 1		**Semester 2**	
SPT 260	Sport Finance	SPT 290	Sport Law
SPT 285	Spt. Mktg. & Sponsor.	SPT 345	Intl. Sport Mgt.
SPT 305	Emergency Care	Gen. Ed.	D. 3.
Gen. Ed.	B. 3.	Gen. Ed.	C. 3.
Gen. Ed.	A. 4.	Free Elective	Student's Choice
Senior			
Semester 1		**Semester 2**	
SPT 320	Sport Ethics	SPT 350	Sport Mgt. Internship (6-12 credits)
SPT 330	Event & Facility Mgt.		
Free Elective	Student's Choice	Free Electives	(6-12 credits)
Free Elective	Student's Choice		
Free Elective	Student's Choice		

NOTE: Student must earn a grade of C or better in SPT 160 in order to take required upper-level SPT courses.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE
UCOBACC
EFFECTIVE DATE
FALL 2018
VERSION NUMBER
2188

COLLEGE OF BUSINESS

ACCOUNTING

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

STUDENT:

STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ANY OF THE FOLLOWING COURSES: ECO 360, FIN 365, MGM 352, OR MKT 370*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
ACC 305 COST ACCOUNTING	3	
ACC 312 ACCOUNTING INFORMATION SYSTEMS	3	
ACC 317 TAX ACCOUNTING I	3	
ACC 318 TAX ACCOUNTING II	3	
ACC 321 INTERMEDIATE ACCOUNTING I	3	
ACC 322 INTERMEDIATE ACCOUNTING II	3	
ACC 323 ADVANCED ACCOUNTING	3	
ACC 330 AUDITING PRACTICE & STANDARDS	3	
TOTAL CREDITS 24		

Restricted Electives

CHOOSE FROM ANY OF THE FOLLWING COURSES:
ACC 306 Advanced Cost Accounting
ACC 325 Not-For-Profit & Government Accounting
ACC 380 Senior Seminar in Accounting
BUS 332WI Business Law II

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

Business Elective

ANY ACC, BUS, ECO, FIN, MGM OR MKT COURSE IN DEPT. OF BUS. ADMINISTRATION
**PLEASE NOTE: YOU CANNOT DOUBLE COUNT ANY BUSINESS COURSES ON YOUR CHECK SHEET.*

COURSE	CR	GRADE
	3	
TOTAL CREDITS 3		

Free Electives

ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

♦ PLEASE NOTE: THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISTES

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		QPA IN BUSINESS CORE	2.0	
PROGRAM REQUIREMENTS	78		QPA IN REQUIRED COURSES	2.0	
TOTAL CREDITS	120		QPA IN RESTRICTED ELECTIVES	2.0	
QPA IN ALL COURSES AT UNIVERSITY	2.0		QPA IN ALL MAJOR(BSBA) COURSES	2.0	

BSBA Accounting Major Version 2188 (Effective Fall 2018)

Recommended Course Sequence

Name _____ **ID#** _____

SEMESTER 1

Course	Grade	Credits
FYS 100 or BUS 131		
ECO 11 or ECO 12		
MAT 105		
COM 10 or CMP 100		
Gen Ed Category B, C or D		

SEMESTER 2

Course	Grade	Credits
FYS or BUS 131		
ECO 11 or ECO 12		
MAT 140		
COM 10 or CMP 100		
Gen Ed Category B, C or D		

SEMESTER 3

Course	Grade	Credits
ACC 121		
BUS 220 or BUS 275		
MGM 210 or MKT 210		
CMP 2XX		
Gen Ed		

SEMESTER 4

Course	Grade	Credits
ACC 122		
BUS 220 or BUS 275		
MGM 210 or MKT 210		
Gen Ed		
Gen Ed or Free Elective		

SEMESTER 5

Course	Grade	Credits
ACC 305		
ACC 321		
FIN 350 or MGM 351		
Gen Ed		
Gen Ed or Free Elective		

SEMESTER 6

Course	Grade	Credits
ACC 312		
ACC 322		
FIN 350 or MGM 351		
Gen Ed		
Gen Ed or Free Elective		

SEMESTER 7

Course	Grade	Credits
ACC 323		
ACC 317		
International Business or MGM 399		
Restricted Elective		
Business Elective		

SEMESTER 8

Course	Grade	Credits
ACC 318		
ACC 330		
International Business or MGM 399		
Restricted Elective		
Gen Ed or Free Elective		

NOTE: This proposed plan of study advises that a student complete fifteen (15) credit hours per semester for eight (8) semesters, thus enabling the student to complete the one hundred-twenty (120) hours necessary for graduation in four years. THIS IS ONLY A SUGGESTION. **Students should meet with their advisors each semester to monitor their progress toward the graduation requirements**.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF BUSINESS
UCOBFIN	
EFFECTIVE DATE	FINANCE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION*
2188	

STUDENT:	STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ONE OF THE FOLLOWING COURSES: ECO 360 OR FIN 365*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
FIN 351 PERSONAL FINANCIAL PLANNING	3	
FIN 354 INVESTMENTS	3	
FIN 360 FINANCIAL MARKETS & INSTITUTIONS	3	
FIN 363 INTERMEDIATE FINANCIAL MGMT	3	
TOTAL CREDITS 12		

♦ PLEASE NOTE: THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISITES

Restricted Electives

*CHOOSE FROM FIN 355, *FIN 365, FIN 375, BUS 310, ECO 345, ACC 321, ACC 322, AND ACC 323.*

**Please note that FIN 365 cannot be double counted as an international requirement and a restricted elective.*

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

Free Electives

ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 27		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**	
PROGRAM REQUIREMENTS	**78**	
TOTAL CREDITS	**120**	
QPA IN ALL COURSES AT UNIVERSITY	**2.0**	

	REQUIRED	✓
QPA IN BUSINESS CORE	**2.0**	
QPA IN REQUIRED COURSES	**2.0**	
QPA IN RESTRICTED ELECTIVES	**2.0**	
QPA IN ALL MAJOR(BSBA) COURSES	**2.0**	

BSBA Finance Major Version 2188 (Effective Fall 2018)

Recommended Course Sequence

Name _____ **ID#** _____

SEMESTER 1

Course	Grade	Credits
FYS 100		
B1-ECO 11 or ECO 12		
C2- MAT 105 or MAT 140		
BUS 131		
A1-CMP 100		

SEMESTER 2

Course	Grade	Credits
B2-ECO 11 or ECO 12		
C3-MAT 140 (or any C1 or C2 not previously used if MAT 140 previously taken)		
BUS 275 (if MAT 105 or higher completed)		
Any D1, D2 or D3		
A3-COM 10		

SEMESTER 3

Course	Grade	Credits
ACC 121		
BUS 220		
MGM 210		
C1		
Free Elective		

SEMESTER 4

Course	Grade	Credits
ACC 122		
MKT 210		
A2-CMP 2XX		
Any D1, D2 or D3		
Free Elective		

SEMESTER 5

Course	Grade	Credits
FIN 350		
FIN 351		
Free Elective		
Free Elective		
Free Elective		

SEMESTER 6

Course	Grade	Credits
MGM 351		
FIN 360		
FIN 365 or ECO 360		
Free Elective		
Free Elective		

SEMESTER 7

Course	Grade	Credits
FIN 354		
FIN 363		
Restricted Elective		
A4		
Free Elective		

SEMESTER 8

Course	Grade	Credits
MGM 399		
Restricted Elective		
Any D1, D2 or D3		
B3 (any B1 or B2 not previously used)		
Free Elective		

NOTE: This proposed plan of study advises that a student complete fifteen (15) credit hours per semester for eight (8) semesters, thus enabling the student to complete the one hundred-twenty (120) hours necessary for graduation in four years. THIS IS ONLY A SUGGESTION. **Students should meet with their advisors each semester to monitor their progress toward the graduation requirements**.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE
UCOBMGM
EFFECTIVE DATE
FALL 2018
VERSION NUMBER
2188

COLLEGE OF BUSINESS

MANAGEMENT

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

STUDENT:

STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ANY OF THE FOLLOWING COURSES: ECO 360, FIN 365, MGM 352, OR MKT 370*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
MGM 335 HUMAN RESOURCE MGM	3	
MGM 350 ORG. BEHAVIOR IN MGM	3	
MGM 360 BUS. & SOCIAL ENVIRONMENT	3	
TOTAL CREDITS 9		

♦ THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISITES

Restricted Electives

CHOOSE FROM BUS 370, BUS 390 AND/OR ANY 300 LEVEL MANAGEMENT COURSES, NOT INCLUDING THE REQUIRED COURSES.

Please note that MGM 352 cannot be double counted as an international requirement and a restricted elective.

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Free Electives

ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 27		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		QPA IN BUSINESS CORE	2.0	
PROGRAM REQUIREMENTS	78		QPA IN REQUIRED COURSES	2.0	
TOTAL CREDITS	120		QPA IN RESTRICTED ELECTIVES	2.0	
QPA IN ALL COURSES AT UNIVERSITY	2.0		QPA IN ALL MAJOR(BSBA) COURSES	2.0	

BSBA - Management Track Version 2188 (Effective Fall 2018)

Recommended Course Sequence

Name _____ **ID#** _____

SEMESTER 1

Course	Grade
FYS 100	
B1 – ECO 11 or ECO 12	
C2 – MAT 105 or MAT 140	
BUS 131	
A1 – CMP 100	

SEMESTER 2

Course	Grade
B2 – ECO 11 or ECO 12	
C3 – MAT 140 (or any C1 or C2 if MAT 140 previously taken)	
BUS 275 (if MAT 105 or higher completed) or Free Elective	
Any D1, D2 or D3	
A3 – COM 10	

SEMESTER 3

Course	Grade
ACC 121	
BUS 220	
MGM 210	
A2 - CMP 2XX or C1	
BUS 275 (if MAT 105 or higher completed) or Free Elective	

SEMESTER 4

Course	Grade
ACC 122	
MKT 210	
A2 - CMP 2XX or C1	
Any D1, D2, D3	
Free Elective	

SEMESTER 5

Course	Grade
FIN 350QL or MGM 351	
MGM 335CM	
MGM 350 or MGM 360	
Free Elective	
Free Elective	

SEMESTER 6

Course	Grade
FIN 350QL or MGM 351	
MGM 350 or MGM 360	
MGM Restricted Elective	
Any D1, D2, D3	
Free Elective	

SEMESTER 7

Course	Grade
International Elective	
MGM Restricted Elective	
A4	
Free Elective	
Free Elective	

SEMESTER 8

Course	Grade
MGM 399CTWI	
MGM Restricted Elective	
B3 (any B1 or B2 not previously taken	
Free Elective	
Free Elective	

NOTE: This proposed plan of study advises that a student complete fifteen (15) credit hours per semester for eight (8) semesters, thus enabling the student to complete the one hundred-twenty (120) hours necessary for graduation in four years. THIS IS ONLY A SUGGESTION. **Students should meet with their advisors each semester to monitor their progress toward the graduation requirements**.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF BUSINESS
UCOBMKT	MARKETING
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION*
VERSION NUMBER: 2188	

STUDENT: | STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ANY OF THE FOLLOWING COURSES: ECO 360, FIN 365, MGM 352, OR MKT 370*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
MKT 312 CONSUMER BEHAVIOR	3	
MKT 320 MARKETING MANAGEMENT	3	
MKT 360 MARKETING RESEARCH	3	
TOTAL CREDITS 9		

♦ THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISITES

Restricted Electives

CHOOSE FROM BUS 390 AND/OR ANY 300 LEVEL MARKETING COURSE, NOT INCLUDING THE REQUIRED COURSES.

Please note that MKT 370 cannot be double counted as an international elective and a restricted elective.

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Free Electives

ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 27		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		QPA IN BUSINESS CORE	2.0	
PROGRAM REQUIREMENTS	78		QPA IN REQUIRED COURSES	2.0	
TOTAL CREDITS	120		QPA IN RESTRICTED ELECTIVES	2.0	
QPA IN ALL COURSES AT UNIVERSITY	2.0		QPA IN ALL MAJOR(BSBA) COURSES	2.0	

BSBA - Marketing Track Version 2188 (Effective Fall 2018)

Recommended Course Sequence

Name _____ **ID#** _____

SEMESTER 1

Course	Grade
FYS 100	
B1 – ECO 11 or ECO 12	
C2 – MAT 105 or MAT 140	
D (any category "D")	
A1 – CMP 100	

SEMESTER 2

Course	Grade
B2 – ECO 11 or ECO 12	
C3 – MAT 140 (or any C1 or C2 if MAT 140 previously taken)	
BUS 131	
C1	
A3 – COM 10	

SEMESTER 3

Course	Grade
ACC 121	
BUS 220	
MKT 210	
BUS 275 (if MAT 105 or higher completed)	
Free Elective	

SEMESTER 4

Course	Grade
ACC 122	
MGM 210	
A2 – CMP 2XX	
D (any category "D")	
Free Elective	

SEMESTER 5

Course	Grade
FIN350 or MGM 351	
MKT 312	
MKT 360	
Free Elective	
Free Elective	

SEMESTER 6

Course	Grade
FIN 350 or MGM 351	
MKT Restricted Elective	
MKT Restricted Elective	
Free Elective	
Free Elective	

SEMESTER 7

Course	Grade
International Elective	
MKT Restricted Elective or MKT 320	
A4 -	
Free Elective	
Free Elective	

SEMESTER 8

Course	Grade
MGM 399	
MKT Restricted Elective or MKT 320	
D (any category "D")	
B3 (any B1 or B2 not previously taken)	
Free Elective	

NOTE: This proposed plan of study advises that a student complete fifteen (15) credit hours per semester for eight (8) semesters, thus enabling the student to complete the one hundred-twenty (120) hours necessary for graduation in four years. THIS IS ONLY A SUGGESTION. **Students should meet with their advisors each semester to monitor their progress toward the graduation requirements**.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF BUSINESS
UCOBFINPFP	
EFFECTIVE DATE	PERSONAL FINANCIAL PLANNING
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION*
2188	

STUDENT:	STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ANY OF THE FOLLOWING COURSES: ECO 360, FIN 365, MGM 352, OR MKT 370*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
FIN 351 PERSONAL FINANCIAL PLANNING	3	
FIN 385 INSURANCE PLANNING	3	
FIN 354 INVESTMENTS	3	
ACC 317 TAX ACCOUNTING I	3	
FIN 386 RETIREMENT & ESTATE PLANNING	3	
FIN 389 FINANCIAL PLANNING CAPSTONE	3	
TOTAL CREDITS 18		

Free Electives *ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 27		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

♦ THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISITES

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		QPA IN BUSINESS CORE	2.0	
PROGRAM REQUIREMENTS	78		QPA IN REQUIRED COURSES	2.0	
TOTAL CREDITS	120		QPA IN RESTRICTED ELECTIVES	2.0	
QPA IN ALL COURSES AT UNIVERSITY	2.0		QPA IN ALL MAJOR(BSBA) COURSES	2.0	

BSBA – Personal Financial Planning Track Version 2188 (Effective Fall 2018)

Recommended Course Sequence

Name _____ **ID#** _____

SEMESTER 1

Course	Grade
FYS 100	
B1 – ECO 11 or ECO 12	
C2 – MAT 105 or MAT 140	
D (any category "D")	
A1 – CMP 100	

SEMESTER 2

Course	Grade
B2 – ECO 11 or ECO 12	
C3 – MAT 140 (or any C1 or C2 if MAT 140 previously taken)	
BUS 131	
C1	
A3 – COM 10	

SEMESTER 3

Course	Grade
ACC 121	
BUS 220	
MGM 210	
BUS 275 (if MAT 105 or higher completed)	
Free Elective	

SEMESTER 4

Course	Grade
ACC 122	
MKT 210	
A2 – CMP 2XX	
D (any category "D")	
Free Elective	

SEMESTER 5

Course	Grade
FIN350 or MGM 351	
FIN 351	
ACC 317	
Free Elective	
Free Elective	

SEMESTER 6

Course	Grade
FIN 350 or MGM 351	
FIN 385	
FIN 354	
Free Elective	
Free Elective	

SEMESTER 7

Course	Grade
International Elective	
FIN 386	
A4 -	
Free Elective	
Free Elective	

SEMESTER 8

Course	Grade
MGM 399	
FIN 389	
D (any category "D")	
B3 (any B1 or B2 not previously taken)	
Free Elective	

NOTE: This proposed plan of study advises that a student complete fifteen (15) credit hours per semester for eight (8) semesters, thus enabling the student to complete the one hundred-twenty (120) hours necessary for graduation in four years. THIS IS ONLY A SUGGESTION. **Students should meet with their advisors each semester to monitor their progress toward the graduation requirements**.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF BUSINESS
UCOBSCM	SUPPLY CHAIN MANAGEMENT
EFFECTIVE DATE: FALL 2019	*BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION*
VERSION NUMBER: 2198	

STUDENT: | STUDENT ID NUMBER:

Business Core

COURSE	CR	GRADE
ACC 121 FINANCIAL ACCOUNTING	3	
ACC 122 MANAGERIAL ACCOUNTING	3	
BUS131 BUSINESS LAW I	3	
BUS 220 REG. ANALYSIS & DATA ANALYTICS	3	
BUS 275 BUS. DATA MGT & INFO SYSTEMS	3	
MKT 210 PRINCIPLES OF MARKETING	3	
MGM 210 PRINCIPLES OF MANAGEMENT	3	
FIN 350 FINANCIAL MANAGEMENT	3	
MGM 351 OPERATIONS MANAGEMENT	3	
INTERNATIONAL ELECTIVE: *ANY OF THE FOLLOWING COURSES: ECO 360, FIN 365, MGM 352, OR MKT 370*	3	
MGM 399 BUSINESS STRATEGY & POLICY	3	
ECO 11 PRINCIPLES OF MACRO-ECONOMICS ♦		
ECO 12 PRINCIPLES OF MICRO-ECONOMICS ♦		
TOTAL CREDITS 33		

Required Courses

COURSE	CR	GRADE
SCM 260 PRINCIPLES OF SUPPLY CHAIN MGM	3	
SCM 361 PRINCIPLES OF BUSINESS LOGISTICS	3	
SCM 362 SUPPLY CHAIN ANALYTICS	3	
SCM 363 GLOBAL TRANSPORTATION MGM	3	
TOTAL CREDITS 12		

♦ THESE COURSES ARE DIRECTED GENERAL EDUCATION CATEGORY B COURSES

➢ CHECK MYKU FOR PRE-REQUISITES

Restricted Electives

CHOOSE FROM MKT340, AND/OR ANY 300 LEVEL SUPPLY CHAIN MANAGEMENT COURSES, NOT INCLUDING THE REQUIRED COURSES.

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

Free Electives

ANY COURSE IN DEPT. OF BUS. ADMINISTRATION OR ANY UNIVERSITY COURSE THAT COUNTS TOWARDS GRADUATION (EXCEPT ENG 22)

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 27		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE DEGREE PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 132 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ECO 11 PRINC. OF MACRO-ECONOMICS		3	B
♦ECO 12 PRINCIPLES OF MICRO-ECONOMICS		3	B
MAT 105 COLLEGE ALGEBRA		3	C 2
MAT 140 APPLIED STATISTICAL METHODS		3	C 2
TOTAL CREDITS 12			

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		GPA IN BUSINESS CORE	2.0	
PROGRAM REQUIREMENTS	78		GPA IN REQUIRED COURSES	2.0	
TOTAL CREDITS	120		GPA IN RESTRICTED ELECTIVES	2.0	
GPA IN ALL COURSES AT UNIVERSITY	2.0		GPA IN ALL MAJOR(BSBA) COURSES	2.0	

SCM Course Sequence

Semester 1	FYS 100 B1 – ECO 11 or ECO 12 C2 – MAT 105 or MAT 140 BUS 131 A1 – CMP 100
Semester 2	B2 – ECO 11 or ECO 12 C3 – MAT 140 (or any C1 or C2 if MAT 140 previously taken) BUS 275 (if MAT 105 or higher completed) D (any category “D”) A3 – COM010
Semester 3	ACC 121 BUS 220 MGM 210 or MKT210 C1 - Free Elective
Semester 4	ACC 122 MGM210 or MKT 210 SCM220 A2 – CMP 2XX D (any category “D”)
Semester 5	FIN 350QL or MGM 351 SCM 361 SCM 362 or MGM 363 Free Elective Free Elective
Semester 6	FIN 350QL or MGM 351 SCM 362 or MGM 363 SCM Restricted Elective Free Elective Free Elective
Semester 7	International Elective SCM Restricted Elective A4 Free Elective Free Elective
Semester 8	MGM 399CTWI D (any category “D”) B3 (any B1, B2 not previously used) Free Elective Free Elective

STUDENT: _____ STUDENT ID NUMBER: _____

COLLEGE OF BUSINESS • BSBA • MINOR PROGRAM: BUSINESS

Program Code: UCOBBUS2 **Version: 2192** **Effective Date: January 22, 2019**

MINOR PROGRAM: BUSINESS

Student's Major: _____

MINOR PROGRAM

Required courses: (18 credits)
BUS275 Business Data Management and Information Systems (3 credits)
ECO10, ECO11, or ECO12 (3 credits)
ACC 121 Financial Accounting (3 credits)
MKT 210 Principles of Marketing (3 credits)
MGM 210 Principles of Management (3 credits)
FIN 200 Principles of Finance (3 credits)

Policies Governing the Business Administration Minor Course Work

- To enroll in the Business Minor, a student needs to have completed MAT 105 College Algebra or a higher level math with a grade of "C" or better
- BUS275, MGM210, MKT210 and FIN200 courses have prerequisites; please check the KU Course Catalog.
- Students intending to minor in Business Administration must have earned 30 credits at time of application to the minor and a minimum GPA of 2.0.
- Upon completion of the minor, students must have a minimum GPA of 2.0 in the minor.
- Transfer students who have received credit for coursework completed at other institutions of higher education prior to enrolling at Kutztown University will be allowed to apply a maximum of two courses (6 credits) towards the minor, provided that those courses are evaluated to be equivalent to the required courses in the business minor at the time of enrollment.
- This minor is available only to majors outside the College of Business.

Approved by DBA: 9/4/18
Approved by COBCC:
Approved by UCC: 9/27/18
Approved by President: 10/24/18
Effective: Spring 2019

STUDENT: _____ STUDENT ID NUMBER: _____

COACHING/ATHLETIC ADMINISTRATION MINOR PROGRAM:

Program Number: UCOBCAA2 **Version: 2192 – Spring 2019** **Effective Date: January 22, 2019**

MINOR PROGRAM (18 credits) [1]	**RC**	**CR**	**GR**
1. SPT 201 Scientific Basis of Human Movement	3		
2. SPT 205 Sport Behavior	3		
3. SPT 222 Fundamentals of Coaching	3		
4. SPT 333 Principles of Strength and Conditioning[3]	3		
5. SPT 335 Methods & Evaluation in Athletics[2]	3		
6. SPT 340 Internship in Coaching[2]	3		

Student's Major: _____

1. A 2.0 GPA is required within the minor.
2. SPT 222 is a prerequisite for SPT 335 and SPT 340.
3. SPT 201 is a prerequisite for SPT 333.

Advisement Notes:

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

Department Chairperson: _____

_____

Dean, College of Business

STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF BUSINESS • BSBA • MINOR PROGRAM: ECONOMICS

Program Code: UCOBECONO2 **Version Number: 2008** **Effective Date: FALL 2007**

MINOR PROGRAM: ECONOMICS

I. MINOR PROGRAM (18 credits)

	RC	CR	GR
A. Required Courses (12 credits):			
ECO 11 Principles of Macroeconomics	3		
ECO 12 Principles of Microeconomics	3		
ECO 205 Intermediate Microeconomics	3		
ECO 210 Intermediate Macroeconomics	3		
B. Elective Courses (6 credits):			
ECO	3		
ECO	3		

Note: Business Administration majors may take the Economics Minor.

Notes:

Reviewed: 6/9/15

STUDENT: _____ STUDENT ID NUMBER: _____

FITNESS ADMINISTRATION MINOR PROGRAM:

Program Number: UCOBFIT2 **Version: 2178** **Effective Date: August 28, 2017**

MINOR PROGRAM (21 credits)	RC	CR	GR
A. Required Courses (18 credits): [1]	3		
1. SPT 120 Personal Nutrition	3		
2. SPT 201 Scientific Basis of Human Movement	3		
3. SPT 250 Methods of Group Fitness Instruction	3		
4. SPT 305 Emergency Care & Risk Management [2]	3		
5. SPT 310 Fitness Assessment and Exer Programming[4]	3		
6. SPT 366 Personal Fitness Trainer	3		
B. Minor Electives (Select One Option):	3		
1. PEC000 – 099 P.E. Activities [3]			
2. SPT 216 Exercise Physiology [4]			
3. SPT 240 Health Promotion			
4. SPT 230 Leadership and Team Building [2] or PRO232WI Practical Leadership			
Total	21		

1. All required courses must be passed with a grade of "C" or higher.
2. SPT 230 & SPT 305 are core requirements for SM Majors.
3. A total of 3 activity courses is required to earn 3 credits.
4. A Pre-Req SPT 201

Advisement Notes:

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

_____

Dean, College of Business

STUDENT: _____ STUDENT ID NUMBER: _____

LEADERSHIP MINOR PROGRAM:

Program Number: UACALEAD2 **Version: 2162 – Spring 2016** **Effective Date: January 19, 2016**

I. Required Courses (6 credits):	RC	CR	GR	CAC
1. PRO 232WI Practical Leadership[1]	3			
2. COM 350CT Leadership: A Communication Perspective[2]	3			
[1](ENG 23, 24, or 25 Required Prerequisite) [2](COM 10 Required Prerequisite)				

II. Restricted Electives (12 credits):
Select one course from each of the four (4) categories and three (3) of the choices must be in different disciplines, PHI, POL, COM, PSY, ANT or SOC

A. Critical Thinking/Ethics (3 credits):	RC	CR	GR	CAC
1. PHI 15CT Critical Thinking	3			
2. PHI 40CDCT Introduction to Ethics	3			
3. PHI 80CDCT Business Ethics	3			
4. POL 441 Managerial Leadership and Ethics	3			

B. Group Dynamics (3 credits):	RC	CR	GR	CAC
1.COM 215CM Small Group Communication[2]	3			
2.COM 274 Organizational Communication[2]	3			
3. PSY 260 Psychology of Human Communication[3]	3			
4. PSY 336CD Diversity in Organizations[4]	3			
5. PSY 351 Organizational Psychology[4]	3			
[2](COM 10 Required Prerequisite) [3](PSY 11 Required Prerequisite) [4](PSY 11 and PSY/SOC/POL 200, MAT 140, or BUS 120 with a grade of "C" or better Required Prerequisites)				

C. Organizational Leadership (3 credits):	RC	CR	GR	CAC
1. POL 115 Public Administration	3			
2. ANT/SOC 227 Work and Workplaces	3			
3. SOC 270 Sociology of Organizations	3			
4. PSY 220 Industrial/Organizational Psychology[3]	3			
[3](PSY 11 Required Prerequisite)				

D. Applied Leadership (3 credits)	RC	CR	GR	CAC
1. POL 225CT Planning & Decision-Making Theory	3			
2. COM 105 Business & Professional Presentations[2]	3			
3. COM 375 Communication Training & Development[2]	3			
[2](COM 10 Required Prerequisite)				
Total Credit Hours		**18**		

Advisement Notes:	CR	GR	CAC
COURSE:			
COURSE:			
COURSE:			
COURSE:			

Clearance for Graduation:

Total Minor Semester Hours Completed: _____

Signatures:

Minor Coordinator:

_____

College Dean:

_____

Dean, College of Business

STUDENT: _____ STUDENT ID NUMBER: _____

COLLEGE OF BUSINESS • BSBA • MINOR PROGRAM: SUPPLY CHAIN MANAGEMENT AND LOGISTICS

Program Code: UCOBSCML2 **Version Number: 2158** **Effective Date: 8/24/2015**

MINOR PROGRAM: SUPPLY CHAIN MANAGEMENT AND LOGISTICS

I. **MINOR PROGRAM (18 credits)**

A. Required Courses: (12 credits)	RC	CR	GR
MGM 315 Management Science	3		
MGM/MKT 361 Principles of Business Logistics	3		
MGM 362 Supply Chain Planning and Management	3		
MGM 363 Transportation Management	3		

B. Elective Courses: (Select 2: 6 credits)			
ACC 305 Cost Accounting	3		
ACC 312 Accounting Information Systems	3		
BUS 310 Advanced Business Computer Application	3		
ECO 360CD International Trade and Finance	3		
GEG 220 Economic Geography	3		
GEG 274CPQL Introduction to GIS	3		
BUS 390 Business Internship (only a verified internship in Supply Chain Management & Logistics Field)	3		

NOTES: If you register for a course without the prerequisites you will be dropped from the course.

THIS MINOR IS FOR BSBA DECLARED MAJORS ONLY.

Most courses in this minor have prerequisites. Please check MyKU for each course specific prerequisite.

For more information, contact the Department of Business Administration, DF 233.

A BSBA candidate can complete the Supply Chain Management and Logistics minor within the 120 credits needed for the BSBA degree if the minor is started early in the candidate's program and planned for properly. However, depending on when the minor is started, the minor can result in a student needing to take up to an additional 18 credits to graduate (138 credits, total) with the minor and this can delay graduation. This is particularly true of management majors. Management Majors who wish to be eligible to earn a Supply Chain management and Logistics Minor must take the courses required for the minor. IN ADDITION to the Restricted Electives (Section V.D. of the BSBA/Management Major Grid Sheet). Courses in the Minor will not double count for the Management Major Restricted Electives section.

Approved BSBA CC: 10/21/14
Approved by DBA: 11/4/14

COLLEGE OF EDUCATION

The College of Education at Kutztown University of Pennsylvania is dedicated to having a positive impact on the lives of children and youth in the Commonwealth of Pennsylvania through the preparation of highly qualified professional educators. Our goal is to provide preparation programs that blend a strong knowledge base in the content area, and understanding of human development and grounding in pedagogy with frequent and continuous field experiences. The professional educators prepared in our programs will be willing and able to effect change in an increasingly diverse and technologically integrated educational environment. Our graduates will be committed to professional development throughout their careers, thus supporting the College of Education model of lifelong learning.

-Dr. John Ward, Dean

Bachelor of Science

B.S. Elementary Education Pre K-4

B.S. Elementary Education 4-8 Mathematics & English/Language Arts & Reading

B.S. Elementary Education 4-8 Mathematics and Science

B.S. Elementary Education 4-8 Mathematics & Social Studies

B.S. Elementary Education 4-8 Science & English/Language Arts & Reading

B.S. Elementary Education 4-8 Science & Social Studies

B.S. Library Science

B.S. Secondary Education: Biology

B.S. Secondary Education/Special Education: Biology

B.S. Secondary Education: Chemistry

B.S. Secondary Education: Earth & Space Science

B.S. Secondary Education/Special Education: Earth & Space Science

B.S. Secondary Education: English

B.S. Secondary Education/Special Education: English

B.S. Secondary Education: General Science

B.S. Secondary Education/Special Education: General Science

B.S. Secondary Education: German

B.S. Secondary Education/Special Education: German

B.S. Secondary Education: Mathematics

B.S. Secondary Education/Special Education: Mathematics

B.S. Secondary Education: Physics

B.S. Secondary Education: Physics and Mathematics

B.S. Secondary Education: Social Studies

B.S. Secondary Education/Special Education: Social Studies

B.S. Secondary Education: Spanish

B.S. Secondary Education/Special Education: Spanish

B.S. Special Education PreK-8: Elementary Education PreK-4

B.S. Special Education PreK-8: Elementary Education 4-8 Math & English/Language Arts & Reading

B.S. Special Education PreK-8: Elementary Education 4-8 Mathematics & Science

B.S. Special Education PreK-8: Elementary Education 4-8 Mathematics & Social Studies

B.S. Special Education PreK-8: Elementary Education 4-8 Science & English/Language Arts & Reading

B.S. Special Education PreK-8: Elementary Education 4-8 Science & Social Studies

B.S. Special Education Visual Impairment Birth-21: Elementary Education PreK-4

B.S. Special Education Visual Impairment Birth-21: Elementary Education 4-8 Math & English/Language Arts & Reading

B.S. Special Education Visual Impairment Birth-21: Elementary Education 4-8 Math & Science

B.S. Special Education Visual Impairment Birth-21: Elementary Education 4-8 Math & Social Studies

B.S. Special Educational Visual Impairment Birth-21: Elementary Education 4-8 Science & English/Language Arts & Reading

B.S. Special Education Visual Impairment Birth-21: Elementary Education 4-8 Science & Social Studies

Bachelor of Science in Education

B.S.Ed. Library Science

B.S.Ed. Special Education: Educational Studies

B.S.Ed. Visually Impaired: Educational Studies

Minors

Library Science

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – Pre-K-4

Program Code: UCOEELUPK | 120 Credits Required | Effective Date: August 27, 2018

Version Number: 2188 – Fall 2018

1. CERTIFICATION COURSES (48 credits)	CR	GR	GE
EDU 101 Teaching Pre-K-8; An Explor. & Investigation ♣	3		D*
EEU 202 Disposition Toward Advocacy Collab & Coop. ♣ (Pre req to EEU 211CD)	3		
EEU 205 Teaching Science in Early Childhood ♣	3		
EEU 209 Math Foundations for Pre-K-1 ♣ (Pre req to EEU 309 & Prosem)	3		
EEU 211 Family Collaboration and Diversity ♣	3		
EEU 215 Introduction to Early Childhood Education ♣ (Pre req to EEU 300 & EEU 225)	3		
EEU 220 Children's Literature for Pre-K-4 ♣	3		
EEU 225 Assessment 1: Obs. & Informal ♣ (Pre req to EEU 205)	3		
ARU 236 The Arts and Pre- K-4 Education **OR** EEU 236 ♣	3		
SPU 201CD Cog. Dev. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Instructional Technology in Education ♣	3		D*
EEU 300 Early Literacy DEV. & Acquisition Pre-K-1 ♣ (Pre req to EEU 301 & ELU 353 & Prosem) **Candidacy required.**	3		
EEU 325 Assessment II: Form. Sum., Diag., Bench. ♣ **Candidacy required**	3		
ELU 353 Language Dev., Reading Assessment & Interven.♣ **Candidacy required**	3		
2. Directed General Education (24 credits)			
a. ENG 023, 024, 025 English Composition, or CMP 100 level course ♣	3		A.1
b. PSY 011 (Pre req to PSY 110 & EEU 215)	3		B
c. BIO 010 (Pre req to EEU 205)	3		C.1
d. MAT 103 Fundamentals of Math I ♣ (Pre req to MAT 104)	3		C.2
e. English Literature ♣ (Pre req to EEU 220VL)	3		D
f. COM 010 Fundamentals of Oral Communication ♣	3		A.3
g. PSY 110 Child Psychology (Pre req to EEU 215) ♣	3		B*
h. MAT 104 Fundamentals of Math II ♣	3		C.3*
3. Electives (12 credits)			
	3		
	3		
	3		
	3		

4. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester - Candidacy Required Courses scheduled in a block Fall or Spring **15 S.H.**			
EEU 301 Teaching Literacy in Grades 2- 4 ♣	3		
EEU 303 Language Development & Teaching Language Arts in Pre-K-4 ♣	3		
EEU 304 Teaching Social Studies in Pre-K-4 ♣	3		
EEU 306 Integrating Principles of Learning in Pre-K-4 ♣	3		
EEU 309 Teaching Math in Grades 2-4 ♣	3		
B. Clinical Experience Fall or Spring _____ **12 S.H.**			
EEU 390 Clinical Experience Pre- K-4 ♣	6		
EEU 391 Clinical Experience Pre-K-4 ♣	6		

Non Directed Gen Ed (9 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.2	3		A.2
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

*** BSE Designated Gen Ed**

- **In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree.**

Four-Year Program Plan

Program:	BSED ELU/PRE K-4					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP 100	EFFECTIVE COMPOSITION	3		ENG-10CT	INTRO TO LITERATURE	3
MAT-103	FUNDAMENTALS OF MATH I	3			(any English Lit course may be taken)	
PSY-11	GENERAL PSYCHOLOGY	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
COM-10	FUNDAMENTALS OF ORAL COMM	3		PSY-110	CHILD PSYCHOLOGY	3
FYS-101	FIRST YEAR SEMINAR	3		EDU-101CTWI	TEACH PRE K-8 EXPLOR/INVEST	3
				BIO-10	INTRO TO BIOLOGY	3
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
EEU-215	INTRO TO EARLY CHILDHOOD ED.	3		EEU-225	ASSESS I: OBSERV+INFORMAL	3
CMP-200	RESEARCH AND COMPOSITION	3		EEU-211CD	FAMILY COLLAB & DIVERSITY	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		EEU-209	MATH FOUNDATIONS/PRE K-1	3
EEU-202	DISPOSITIONS/ADVOCACY	3		ELECTIVE	FREE ELECTIVE	3
ELECTIVE	FREE ELECTIVE	3		ARU-236	THE ARTS & PRE-k-4 EDUC.	3
A-4 GEN ED	ANY COURSE COUNTING IN THE GEN ED A-4 SPOT	3				
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
EEU-220	CHILDREN'S LIT PRE-K-4	3		ELU-353	LANG. DEV., READ. ASSESS. & INTERV.	3
LLT-321	INSTRUCTIONAL TECH IN ED	3		EEU-305	TEACH SCIENCE/EARLY CHILD	3
EEU-325	ASSESS II: FORMATIVE, SUM	3		EEU-300	EARLY LIT DEVELOP & ACQ	3
SPU-314	STU/DISABL INCL SETTINGS	3		SPU-316	RDNG/LANG ART EXCPTL CHLD	3
ELECTIVE	FREE ELECTIVE	3		ELECTIVE	FREE ELECTIVE	3
Total		***15***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
EEU-301	TEACH LITERACY/GRADES 2-4	3		EEU-390	CLINICAL EXPER I:PRE K-4	6
EEU-303WI	LANG DEVELOP/EARLY CHILD	3		EEU-391	CLINICAL EXPER II:PRE K-4	6
EEU-304	TEACH SOC STUDIES/PRE K-4	3				
EEU-306WI	INT PRIN/LEARNING PRE K-4	3				
EEU-309	TEACH MATH/GRADES 2-4	3				
	(This Prosem block could be taken in third year Spring semester, and those classes would then be taken in this semester.)					
	EEU 300, EEU 209, 60 credits & candidacy are all prerequisites for Prosem				COURSES WITH OBSERVATION HOURS	
Total		***15***		***Total***		***12***

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – 4-8 Mathematics & English/Lang. Arts & Reading

Program Code: UCOEELUME
Version Number: 2188 – Fall 2018

123 Credits Required

Effective Date: August 27, 2018

CERTIFICATION COURSES	CR	GR	GE
1. Professional Courses 21 S.H. – Pre Candidacy			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
2. Natural Sciences 12 S.H.			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 **OR** BIO 104	3/4		C.1
c. PHY 020 Introduction to Physics (lab)	3		
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3		
3. Mathematics 21 S.H.			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra	3		
e. MAT 122 Applied Calculus	3		
f. MAT 140 Applied Stat Methods	3		
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3		
4. English/Language Arts & Reading 24 S.H.			
a. ENG 105 or ENG 106 ♣ (pre-req for ELU 221)	3		
b. ENG 023, 024, 025, or CMP 100 level course ♣	3		A.1
c. ENG 100 Principles of Literacy Analysis	3		A.2*
d. COM 010 Fundamentals of Oral Communication ♣	3		A.3
e. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3		
f. ELU 221VL Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
g. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣ (Pre-req. for ELU 353)	3		
h. ELU 353 Lang. Dev., Reading Assess. & Interven. ♣ **Teacher Candidacy Required**	3		
5. Social Studies 12 S.H.			
a. American History – HIS 025 or HIS 026	3		B
b. World History – HIS 014 or HIS 015	3		D
c. Economics – ECO 010, ECO 011 or ECO 012	3		B
d. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester – Teacher Candidacy Required Courses scheduled in a block Fall semester **15 S.H.**			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
B. Clinical Experience Fall or Spring ____ **12 S.H.**			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners♣	6		

Non Directed Gen Ed (6 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

* BSE Designated Gen Ed

- In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.

Four-Year Program Plan

Program:	BSED ELU/4-8 MAT & ENG					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP-100	EFFECTIVE COMPOSITION	3		ENG-105CDCT	AMERICAN LIT: EXPERIENCES	3
MAT-103	FUNDAMENTALS OF MATH I	3			(or ENG-106 BRITISH LIT)	
FYS-100	FIRST YEAR SEMINAR	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
PHY-20	INTRO TO PHYSICS	3		EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3		BIO-10	INTRO TO BIOLOGY	3
	(or HIS-026 HISTORY OF THE US)			GEG 010	GEOGRAPHY	3
					(or GEG 020, or GEG 101)	
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3		BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3		MAT 106	TRIGONOMETRY	3
MAT-105	COLLEGE ALGEBRA	3			(or MAT 115, or MAT 123)	
EDU-326	INTRO TO MIDDLE LEVEL ED	3		ELU 212	DIVERSE LEARNER/MID LEVEL	3
ENG-100	LITERARY ANALYSIS	3		ENG-230	ADVANCED COMPOSITION	3
					(or ENG-334 LINGUISTICS)	
	(ELU-221 is only offered in Fall semesters)				(ELU-212 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
COM 010	FUND. OF ORAL COMMUNIOCATION	3		ELU-353	LANGUAGE DEVELOPMENT, READING ASSESSMENT & INTERVENTIONS	3
A-4	ANY COURSE MEETING A-4 REQ.	3		SPU-316	RDNG/LANG ART EXCPTL CHILD	3
MAT-122	APPLIED CALCULUS	3		MAT-140	APPLIED STATISTICAL METHODS	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3		HIS-014	HISTORY OF CIVILIZATION A	3
CHM-020	INTRO TO CHEMISTRY	3			(or HIS-015 HISTORY OF CIVILIZATION B)	
ECO-010	ECONOMICS	3		ELU-331	TEACH LIT/MIDDLE LEVEL	3
	(or ECO 11, OR ECO 12					
					(ELU 331 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-342WI	TEACH WRITING/MID LEVEL	3		ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3		ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3				
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3				
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3				
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem.					
	(Prosem is only offered in Fall semesters)					
Total		***15***		***Total***		***12***

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – 4-8 Mathematics & Science

Program Code: UCOEELUMC
Version Number: 2188 – Fall 2018

123 Credits Required

Effective Date: August 27, 2018

CERTIFICATION COURSES	CR	GR	GE
1. Professional Courses 21 S.H.			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
2. Natural Sciences 21 S.H.			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 **OR** BIO 104	3/4		C.1
c. AST 020 Introductory Astronomy (lab)	3		
d. GEG 204 Meteorology	3		
e. GEL 020 Introduction to Geology (lab)	3		
f. PHY 020 Introduction to Physics (lab)	3		
g. BIO 130 Environmental Issues: Global Perspectives	3		
3. Mathematics 21 S.H.			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra	3		
e. MAT 122 Applied Calculus	3		
f. MAT 140 Applied Stat Methods	3		
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3		
4. English/Language Arts & Reading 15 S.H.			
a. ENG 023, 024, 025, or CMP 100 level course ♣	3		A.1
b. ENG 100 Principles of Literacy Analysis	3		A.2*
c. COM 010 Fundamentals of Oral Communication ♣	3		A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
e. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣	3		
5. Social Studies 12 S.H.			
a. American History – HIS 025 or HIS 026	3		B
b. World History – HIS 014 or HIS 015	3		D
c. Economics – ECO 010, ECO 011 or ECO 012	3		B
d. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester – Teacher Candidacy Required Courses scheduled in a block Fall semester **15 S.H.**			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
B. Clinical Experience Fall or Spring_____ **12 S.H.**			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners♣	6		

Non Directed Gen Ed (6 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

* BSE Designated Gen Ed

- In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.

Four-Year Program Plan

Program:	BSED ELU/4-8 MAT & SCI					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP-100	EFFECTIVE COMPOSITION	3		ENG-100WI	LITERARY ANALYSIS	3
MAT-103	FUNDAMENTALS OF MATH I	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
FYS-100	FIRST YEAR SEMINAR	3		EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
PHY-20	INTRO TO PHYSICS	3		BIO-10	INTRO TO BIOLOGY	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3		GEG 010	GEOGRAPHY	3
	(or HIS-026 HISTORY OF THE US)				(or GEG 020, or GEG 101)	
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3		BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3		MAT 106	TRIGONOMETRY	3
MAT-105	COLLEGE ALGEBRA	3			(or MAT 115, or MAT 123)	
EDU-326	INTRO TO MIDDLE LEVEL ED	3		ELU-212	DIVERSE LEARNER/MID LEVEL	3
AST-020	INTRODUCTORY ASTRONOMY	3		CHM-020	INTO TO CHEMISTRY	3
	(ELU-221 is only offered in Fall semesters)				(ELU-212 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
COM 010	FUND. ORAL COMMUNICATION	3		GEG-204	METEOROLOGY	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3		SPU-316	RDNG/LANG ART EXCPTL CHILD	3
MAT-122	APPLIED CALCULUS	3		MAT-140	APPLIED STATISTICAL METHODS	3
GEL-020	INTRO TO GEOLOGY	3		HIS-014	HISTORY OF CIVILIZATION A	3
ECO-010	ECONOMICS	3			(or HIS-015 HISTORY OF CIVILIZATION B)	
	(or ECO 011, or ECO 012)			ELU-331	TEACH LIT/MIDDLE LEVEL	3
A-4	ANY COURSE MEETING THE A-4 REQ.	3				
					(ELU 331 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-342WI	TEACH WRITING/MID LEVEL	3		ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3		ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3				
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3				
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3				
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem					
	(Prosem is only offered in Fall semesters)					
Total		***15***		***Total***		***12***

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – 4-8 Mathematics & Social Studies

Program Code: UCOEELUMS | 123 Credits Required | Effective Date: August 27, 2018

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES	CR	GR	GE
1. Professional Courses 21 S.H. – Pre Candidacy			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
2. Natural Sciences 12 S.H.			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 **OR** BIO 104	3/4		C.1
c. PHY 020 Introduction to Physics (lab)	3		
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3		
3. Mathematics 21 S.H.			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra	3		
e. MAT 122 Applied Calculus	3		
f. MAT 140 Applied Stat Methods	3		
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3		
4. English/Language Arts & Reading 15 S.H.			
a. ENG 023, 024, 025, or CMP 100 level course ♣	3		A.1
b. ENG 100 Principles of Literacy Analysis	3		A.2*
c. COM 010 Fundamentals of Oral Communication ♣	3		A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
e. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣ (Pre-req. for ELU 353)	3		
5. Social Studies 21 S.H. (Choose one from each line)			
a. American History – HIS 025	3		B
b. American History – HIS 026	3		
c. World History – HIS 014	3		D
d. World History – HIS 015	3		
e. Economics – ECO 010, ECO 011 or ECO 012	3		B
f. Constitutional History of US-HIS 310	3		
g. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester – Teacher Candidacy Required Courses scheduled in a block Fall semester **15 S.H.**			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
B. Clinical Experience Fall or Spring ____ **12 S.H.**			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners♣	6		

Non Directed Gen Ed (6 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

*** BSE Designated Gen Ed**

- **In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.**

Four-Year Program Plan

Program:	BSED ELU/4-8 MAT & SS					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP-100	EFFECTIVE COMPOSITION	3		ENG-100WI	LITERARY ANALYSIS	3
MAT-103	FUNDAMENTALS OF MATH I	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
FYS-100	FIRST YEAR SEMINAR	3		EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
PHY-20	INTRO TO PHYSICS	3		BIO-10	INTRO TO BIOLOGY	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3		HIS-026	HISTORY OF THE US: THE EMERGENCE	3
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3		ELU-212	DIVERSE LEARNER/MID LEVEL	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3		MAT 106	TRIGONOMETRY	3
MAT-105	COLLEGE ALGEBRA	3			(or MAT 115, or MAT 123)	
GEG 010	GEOGRAPHY	3		CHM-020	INTO TO CHEMISTRY	3
	(or GEG 020, or GEG 101)			HIS-014	HISTORY OF CIVILIZATION A	3
EDU-326	INTRO TO MIDDLE LEVEL ED	3				
	(ELU-221 is only offered in Fall semesters)				(ELU-212 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
COM-010	FUND. ORAL COMMUNICATIONS	3		HIS-310	CONSTITUTIONAL HIS OF US	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3		SPU-316	RDNG/LANG ART EXCPTL CHILD	3
HIS-015	HISTORY OF CIVILIZATION B	3		ELU-331	TEACH LIT/MIDDLE LEVEL	3
MAT-122	APPLIED CALCULUS	3		MAT-140	APPLIED STATISTICAL METHODS	3
A-4	ANY COURSE MEETING THE A-4 REQ.	3		BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
ECO-010	ECONOMICS	3				
	(or ECO 011, or ECO 012)					
					(ELU 331 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-342WI	TEACH WRITING/MID LEVEL	3		ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3		ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3				
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3				
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3				
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem.					
	(Prosem is only offered in Fall semesters)					
Total		***15***		***Total***		***12***

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
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3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – 4-8 Science & English/Lang. Arts & Reading

Program Code: UCOEELUSE
Version Number: 2188 – Fall 2018

123 Credits Required

Effective Date: August 27, 2018

CERTIFICATION COURSES	CR	GR	GE
1. Professional Courses 21 S.H. – Pre Candidacy			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
2. Natural Sciences 21 S.H.			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 **OR** BIO 104	3/4		C.1
c. AST 020 Introductory Astronomy (lab)	3		
d. GEG 204 Meteorology	3		
e. GEL 020 Introduction to Geology (lab)	3		
f. PHY 020 Introduction to Physics (lab)	3		
g. BIO 130 Environmental Issues: Global Perspectives	3		
3. Mathematics 12 S.H.			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3		
4. English/Language Arts & Reading 24 S.H.			
a. ENG 105 or ENG 106 ♣ (pre-req for ELU 221)	3		
b. ENG 023, 024 or 025 ♣	3		A.1
c. ENG 100 Principles of Literacy Analysis	3		A.2*
d. COM 010 Fundamentals of Oral Communication ♣	3		A.3
e. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3		
f. ELU 221 Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
g. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣ (Pre-req. for ELU 353)	3		
h. ELU 353 Lang. Dev., Reading Assess. & Interven. ♣ **Teacher Candidacy Required**	3		
5. Social Studies 12 S.H. (Choose one from each line)			
a. American History – HIS 025 or HIS 026	3		B
b. Economics – ECO 010, ECO 011 or ECO 012	3		B
c. World History – HIS 014 CD or HIS 015	3		D
d. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester – Teacher Candidacy Required Courses scheduled in a block Fall semester **15 S.H.**			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
B. Clinical Experience Fall or Spring _____ **12 S.H.**			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners♣	6		

Non Directed Gen Ed (6 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

*** BSE Designated Gen Ed**

- **In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.**

Four-Year Program Plan

Program:	BSED ELU/4-8 SCI & ENG					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP-100	EFFECTIVE COMPOSITION	3		ENG-105CDCT	AMERICAN LIT: EXPERIENCES	3
MAT-103	FUNDAMENTALS OF MATH I	3			(or ENG-106 BRITISH LIT)	
FYS-100	FIRST YEAR SEMINAR	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
PHY-20	INTRO TO PHYSICS	3		EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3		BIO-10	INTRO TO BIOLOGY	3
	(or HIS-026 HISTORY OF THE US)			GEG 010	GEOGRAPHY	3
					(or GEG 020, or GEG 101)	
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3		BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3		GEL-020	INTRO TO GEOLOGY	3
AST-020	INTRODUCTORY ASTRONOMY	3		ELU-212	DIVERSE LEARNER/MID LEVEL	3
EDU-326	INTRO TO MIDDLE LEVEL ED	3		ENG-230	ADVANCED COMPOSITION	3
ENG-100	LITERARY ANALYSIS	3			(or ENG-334 LINGUISTICS)	
	(ELU-221 is only offered in Fall semesters)				(ELU-212 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
COM 010	FUND. OF ORAL COMMUNICATION	3		ELU-353	LANGUAGE DEVELOPMENT, READING ASSESSMENT & INTERVENTIONS	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3		CHM-020	INTO TO CHEMISTRY	3
MAT-105	COLLEGE ALGEBRA	3		SPU-316	RDNG/LANG ART EXEPTL CHILD	3
	(or MAT-115 PRECALCULUS MATH)			HIS-014	HISTORY OF CIVILIZATION A	3
GEG-204	METEOROLOGY	3			(or HIS-015 HISTORY OF CIVILIZATION B)	
ECO-010	ECONOMICS	3		ELU-331	TEACH LIT/MIDDLE LEVEL	3
	(or ECO 011, or ECO 012)					
A-4	ANY COURSE MEETING A-4 REQ.	3			(ELU 331 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-342WI	TEACH WRITING/MID LEVEL	3		ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3		ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3				
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3				
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3				
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem.					
	(Prosem is only offered in Fall semesters)					
Total		***15***		***Total***		***12***

NEW

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

NEW

B.S. in Elementary Education – 4-8 Science & Social Studies

Program Code: UCOEELUSI
Version Number: 2188 – Fall 2018

123 Credits Required

Effective Date: August 27, 2018

CERTIFICATION COURSES	CR	GR	GE
1. Professional Courses 21 S.H. – Pre Candidacy			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
2. Natural Sciences 21 S.H.			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 **OR** BIO 104	3/4		C.1
c. AST 020 Introductory Astronomy (lab)	3		
d. GEG 204 Meteorology	3		
e. GEL 020 Introduction to Geology (lab)	3		
f. PHY 020 Introduction to Physics (lab)	3		
g. BIO 130 Environmental Issues: Global Perspectives	3		
3. Mathematics 12 S.H.			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3		
4. English/Language Arts & Reading 15 S.H.			
a. ENG 023, 024, 025, or CMP 100 level course ♣	3		A.1
b. ENG 100 Principles of Literacy Analysis	3		A.2*
c. COM 010 Fundamentals of Oral Communication ♣	3		A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
e. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣ (Pre-req. for ELU 353)	3		
5. Social Studies 21 S.H. (Choose one from each line)			
a. American History – HIS 025	3		B
b. American History – HIS 026	3		
c. World History – HIS 014	3		D
d. World History – HIS 015	3		
e. Economics – ECO 010, ECO 011 or ECO 012	3		B
f. Constitutional History of US-HIS 310	3		
g. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
A. Professional Semester – Teacher Candidacy Required Courses scheduled in a block Fall semester **15 S.H.**			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
B. Clinical Experience Fall or Spring _____ **12 S.H.**			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners♣	6		

Non Directed Gen Ed (6 credits)			
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

♣ - These courses require a grade of "C" or better.

* BSE Designated Gen Ed

- In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.

Four-Year Program Plan

Program:	BSED ELU/4-8 SCI & SS					
FIRST YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
CMP-100	EFFECTIVE COMPOSITION	3		ENG-100WI	LITERARY ANALYSIS	3
MAT-103	FUNDAMENTALS OF MATH I	3		MAT-104QL	FUNDAMENTALS OF MATH II	3
FYS-100	FIRST YEAR SEMINAR	3		EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
PHY-20	INTRO TO PHYSICS	3		BIO-10	INTRO TO BIOLOGY	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3		HIS-026	HISTORY OF THE US: THE EMERGENCE	3
Total		***15***		***Total***		***15***
SECOND YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3		BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3		SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3		GEL-020	INTRO TO GEOLOGY	3
AST-020	INTRODUCTORY ASTRONOMY	3		ELU-212	DIVERSE LEARNER/MID LEVEL	3
GEG 010	GEOGRAPHY	3		HIS-014	HISTORY OF CIVILIZATION A	3
	(or GEG 020, or GEG 101)					
EDU-326	INTRO TO MIDDLE LEVEL ED	3				
	(ELU-221 is only offered in Fall semesters)				(ELU-212 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
THIRD YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
COM 010	FUND. OF ORAL COMMUNICATION	3		HIS-310	CONSTITUTIONAL HIS OF US	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3		ECO-010	ECONOMICS	3
HIS-015	HISTORY OF CIVILIZATION B	3			(or ECO 011, or ECO 012)	
CHM-020	INTO TO CHEMISTRY	3		GEG-204	METEOROLOGY	3
A-4	ANY COURSE MEETING A-4 REQ.	3		ELU-331	TEACH LIT/MIDDLE LEVEL	3
MAT-105	COLLEGE ALGEBRA	3		SPU-316	RDNG/LANG ART EXEPTL CHILD	3
	(or MAT-115 PRECALCULUS MATH)					
					(ELU 331 is only offered in Spring semesters)	
Total		***18***		***Total***		***15***
FOURTH YEAR						
Fall Semester				***Spring Semester***		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
ELU-342WI	TEACH WRITING/MID LEVEL	3		ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3		ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3				
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3				
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3				
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem.					
	(Prosem is only offered in Fall semesters)					
Total		***15***		***Total***		***12***

NEW

COLLEGE OF EDUCATION • BSLS • LIBRARY SCIENCE

Program Number: UCOELLTS **Effective Date: August 27, 2018**

GENERAL EDUCATION

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	

TOTAL CREDITS _____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 _____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___

TOTAL CREDITS _____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___

TOTAL CREDITS

_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___

TOTAL CREDITS _____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___

TOTAL CREDITS

KUTZTOWN UNIVERSITY

NEW

B.S. in Library Science (120 credits)

Program Number: UCOELLTS **August 27, 2018**

FOUNDATION COURSES (33 credits)	RC	CR	GR	GE
Required Courses:				
LLT 200: Foundations of Information Science	3			
LLT 310: Information Resources and Services	3			
LLT 320: Resources for Children and Young Adults	3			
LLT 321: Technologies for the 21st Century Educator	3			
LLT 324: Librarian's Role in Reading Strategies	3			
LLT 330: Makerspaces and Technology Enhanced Programming	3			
LLT 390: Internship	3			
Specialty related electives or other courses with permission of advisor.				
Course:	3			
Course:	3			
Course:	3			
Course:	3			

ELECTIVES: (30 credits)

With their advisor's guidance, students are encouraged to select appropriate elective courses.				
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			

Professional Semester (15 credits)

LLT 340: Management of Information and Technology Centers	3			
LLT 350: Collecting and Curating Print and Digital Resources	3			
LLT 360: Organization of Information, Metadata, and Library Technologies	3			
LLT 370: Educational Program of the Library	3			
LLT 385: Digital Portfolios	3			

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree.

Date: Jan 2019

Suggested eight semester program for B.S. LS. in Library Science	If minor is taken, you need to get a minor grid sheet from that department. Competencies- be sure to complete this area
Fall (15 credits)	**Spring (15 credits)**
LLT 200 CPM 1 (ENG COMP) – A1 Math 017 or above – C2 PSY 011 – B1 FYS	LLT 320 CPM 2 (ENG COMP) – A2 Math 017 or above – C3 English Literature – D1 Elective – B2
Fall (15 credits)	**Spring (15 credits)**
LLT 310 Lab Science - C1 COM 10 – A3 Elective – B3 Elective – D2	ITC 321 – D3 Writing course A4 Minor course Minor course Specialty Elective
Fall (15 credits)	**Spring (15 credits)**
LLT 324 LLT 330 Minor course Minor course Specialty Elective	LLT 340 LLT 350 LLT 360 LLT 370 LLT 385 NOTE: Students are out in the field for two weeks
Fall (15 credits)	**Spring (15 credits)**
Minor course Minor course Elective Elective Elective	LLT 390 Internship Specialty Elective Specialty Elective Elective Elective

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUBS	
EFFECTIVE DATE: FALL 2018	SECONDARY EDUCATION
VERSION NUMBER: 2188	*BACHELOR OF SCIENCE*

BIOLOGY

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Biology Courses

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 222 ENVIRONMENTAL BIOLOGY	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 218 VERTEBRATE BIOLOGY BIO 302 ENTOMOLOGY BIO 314 ANIMAL BEHAVIOR	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 230 TAXONOMY OF VASCULAR PLANTS BIO 232 PLANT PHYSIOLOGY BIO 324 PLANT ECOLOGY	3	
BIO 235 GENERAL PHYSIOLOGY	4	
BIO 216 GENETICS	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 346 MOLECULAR BIOLOGY BIO 350 CELL BIOLOGY	3	
TOTAL CREDITS 34		

Required Physical Science Courses

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 204 FUNDAMENTALS OF ORGANIC CHEMISTRY I	4	
PHY 040 GENERAL PHYSICS I	4	
TOTAL CREDITS 16		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	72	
ELECTIVE CREDITS	6	
TOTAL CREDITS	122	

Program: **BSED SEU/BIO SCI**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Elective	Elective	3	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Elective	Elective	3	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/18

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		12/15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

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3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSBI	
EFFECTIVE DATE	SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

BIOLOGY with SPECIAL EDUCATION

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣ ♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

♦ THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣ THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Biology Courses

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 222 ENVIRONMENTAL BIOLOGY	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 218 VERTEBRATE BIOLOGY BIO 302 ENTOMOLOGY BIO 314 ANIMAL BEHAVIOR	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 230 TAXONOMY OF VASCULAR PLANTS BIO 232 PLANT PHYSIOLOGY BIO 324 PLANT ECOLOGY	3	
BIO 235 GENERAL PHYSIOLOGY	4	
BIO 216 GENETICS	3	
CHOOSE (ONE) OF THE FOLLOWING: BIO 346 MOLECULAR BIOLOGY BIO 350 CELL BIOLOGY	3	
TOTAL CREDITS 34		

Required Physical Science Courses

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 204 FUNDAMENTALS OF ORGANIC CHEMISTRY I	4	
PHY 040 GENERAL PHYSICS I	4	
TOTAL CREDITS 16		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣ ♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRE	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	93	
TOTAL CREDITS	137	

Program: **BSED SEU/BIO SCI with SPU**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		15/17	*Total*		18/21

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3/4	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3/4	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		18/21	*Total*		18/19

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3/4			
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		18/21	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED: 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED: 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	MAT 181 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 182 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUCM	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

CHEMISTRY

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Chemistry Courses

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	4	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 214 ORGANIC CHEMISTRY I	4	
CHM 216 ORGANIC CHEMISTRY II	4	
CHM 230 ANALYTICAL CHEMISTRY I	4	
CHM 310 BIOCHEMISTRY I	4	
CHM 314 PHYSICAL CHEMISTRY I	4	
CHM 316 PHYSICAL CHEMISTRY II	4	
CHM 320 ADVANCED INORGANIC CHEMISTRY I	4	
CHM 340 ANALYTICAL CHEMISTRY II	4	
TOTAL CREDITS 40		

Required Additional Science Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: AST 140 PLANETARY SCIENCE AST 142 STELLAR AND GALACTIC ASTRONOMY GEG 204 METEOROLOGY GEL 100 PHYSICAL GEOLOGY	3/4	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
PHY 100 PHYSICS I	4	
PHY 102 PHYSICS II	4	
TOTAL CREDITS 15/16		

Required Mathematics Courses

COURSE	CR	GRADE
MAT 181 CALCULUS I ♣♦	4	
MAT 182 CALCULUS II ♣♦	4	
TOTAL CREDITS 8		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 181 CALCULUS I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 182 CALCULUS II		4	C3				
								TOTAL CREDITS 27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	45	
PROGRAM CREDITS	78	
TOTAL CREDITS	123	

Program: **BSED SEU/CHEM**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		12/14	*Total*		15/17

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		12/14	*Total*		15/18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		12/15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUES	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

EARTH & SPACE SCIENCE

STUDENT: STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
TOTAL CREDITS 3		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Science Courses

COURSE	CR	GRADE
AST 140 PLANETARY SCIENCE	3	
AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
ENV 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE	3	
ENV 210 ENVIRONMENTAL GEOLOGY	3	
GEG 204 METEOROLOGY	3	
GEL 100 PHYSICAL GEOLOGY	4	
GEL 102 ELEMENTS OF HISTORICAL GEOLOGY	4	
GEL 110 INTRODUCTION TO OCEANOGRAPHY	3	
CHOOSE (ONE) OF THE FOLLOWING: PHY 040 GENERAL PHYSICS I PHY 100 PHYSICS I	4	
CHOOSE (ONE) OF THE FOLLOWING: PHY 042 GENERAL PHYSICS II PHY 102 PHYSICS II	4	
TOTAL CREDITS 46		

Elective Science Courses

COURSE	CR	GRADE
AST/GEL/MAR/ENV (WITH LAB BEYOND 100 LEVEL)	3/4	
AST/GEL/MAR/ENV (WITH LAB BEYOND 100 LEVEL)	3/4	
TOTAL CREDITS 6/8		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	74	
ELECTIVE CREDITS	3	
TOTAL CREDITS	121	

Program: **BSED SEU/ESS**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/18	*Total*		15/17

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Elective	Elective	3	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		12/15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

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4. engage critically with creative or artistic works.
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7. demonstrate an understanding of various models for the development of the whole person.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSES	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

EARTH & SPACE SCIENCE with SPECIAL EDUCATION

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Science Courses

COURSE	CR	GRADE
AST 140 PLANETARY SCIENCE	3	
AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
ENV 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE	3	
ENV 210 ENVIRONMENTAL GEOLOGY	3	
GEG 204 METEOROLOGY	3	
GEL 100 PHYSICAL GEOLOGY	4	
GEL 102 ELEMENTS OF HISTORICAL GEOLOGY	4	
GEL 110 INTRODUCTION TO OCEANOGRAPHY	3	
CHOOSE (ONE) OF THE FOLLOWING: PHY 040 GENERAL PHYSICS I PHY 100 PHYSICS I	4	
CHOOSE (ONE) OF THE FOLLOWING: PHY 042 GENERAL PHYSICS II PHY 102 PHYSICS II	4	
TOTAL CREDITS 46		

Elective Science Courses

COURSE	CR	GRADE
AST/GEL/MAR/ENV (WITH LAB BEYOND 100 LEVEL)	3/4	
AST/GEL/MAR/ENV (WITH LAB BEYOND 100 LEVEL)	3/4	
TOTAL CREDITS 6/8		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	95	
TOTAL CREDITS	139	

Program: **BSED SEU/ESS with SPU**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		18/21	*Total*		18/21

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3/4	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3/4	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		18/21	*Total*		18/19

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3/4			
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		18/21	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

_____

_____

_____

_____

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED: 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 201 (Suggested)			
2	EDU 100 (Suggested)			
3	ENG 105 (Suggested			

C Understanding Science & Technology

CREDITS REQUIRED: 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 314 (Suggested)			
2				
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUEN	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

ENGLISH

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 18/20		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 321 METHODS OF TEACHING SEC. COMMUNICATION ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required English Courses

COURSE	CR	GRADE
FOUNDATION		
ENG 100 CRITICAL READING & WRITING IN THE PROF.	3	
100-LEVEL COURSES (STYLE, DESIGN, AND GENRE)		
ENG 105 EXPERIENCES IN AMERICAN LITERATURE ♦	3	
ENG 106 EXPERIENCES IN BRITISH LITERATURE	3	
ENG 101 WORLD LITERATURE	3	
200-LEVEL COURSES (TECHNOLOGIES AND HISTORIES OF WRITING)		
ENG 222 CONVENTIONS OF ENGLISH GRAMMAR	3	
ENG 225 TEACHING ADOLESCENT LITERATURE	3	
ENG 230 ADVANCED COMPOSITION	3	
ENG 2____	3	
300- & 400-LEVEL COURSES (CULTURE AND CONTEXTS)		
CHOOSE (ONE) OF THE FOLLOWING: ENG 331 SHAKESPEARE'S EARLIER PLAYS ENG 332 SHAKESPEARE LATER PLAYS	3	
ENU 405 TEACHING WRITING	3	
ENG 3____	3	
ENG 3____	3	
ENG 3____	3	
TOTAL CREDITS 39		

English Elective Courses

SELECT ANY THREE (3) ENG COURSES 300 OR HIGHER

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

REQUIREMENTS:

1. SecEd English majors must take one 3-credit class in Diverse Literature or Rhetoric.
2. SecEd English majors must take three 3-credit classes – at least one of which must be at the 300-level – that focus on linguistically and historically different literature or rhetoric.
3. SecEd English majors must take one 3-credit class in Media

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
ENG 105 EXP. IN AMER. LIT.		3	B	MAT ELECTIVE		3/4	C2				
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT ELECTIVE		3/4	C3				
								TOTAL CREDITS 21/23			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	72	
ELECTIVE CREDITS	12	
TOTAL CREDITS	126	

Program: **BSED SEU/ENGL**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
Gen Ed	Required Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3	Content	Required Course	3
Elective	Elective	3			
Total		18	*Total*		15

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 321WI	Methods of Teaching Sec. Communication	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3			
Content	Required Course	3			
Elective	Elective	3			
Total		15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

KUTZTOWN UNIVERSITY

DEGREE REQUIREMENTS

GENERAL EDUCATION

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED: 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 201 (Suggested)			
2	EDU 100 (Suggested)			
3	ENG 105 (Suggested			

C Understanding Science & Technology

CREDITS REQUIRED: 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 314 (Suggested)			
2				
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSEN	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

ENGLISH with SPECIAL EDUCATION

STUDENT: **STUDENT ID NUMBER:**

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 18/20		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 321 METHODS OF TEACHING SEC. COMMUNICATION ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Required English Courses

COURSE	CR	GRADE
FOUNDATION		
ENG 100 CRITICAL READING & WRITING IN THE PROF.	3	
100-LEVEL COURSES (STYLE, DESIGN, AND GENRE)		
ENG 105 EXPERIENCES IN AMERICAN LITERATURE ♦	3	
ENG 106 EXPERIENCES IN BRITISH LITERATURE	3	
ENG 101 WORLD LITERATURE	3	
200-LEVEL COURSES (TECHNOLOGIES AND HISTORIES OF WRITING)		
ENG 222 CONVENTIONS OF ENGLISH GRAMMAR	3	
ENG 225 TEACHING ADOLESCENT LITERATURE	3	
ENG 230 ADVANCED COMPOSITION	3	
ENG 2___	3	
300- & 400-LEVEL COURSES (CULTURE AND CONTEXTS)		
CHOOSE (ONE) OF THE FOLLOWING: ENG 331 SHAKESPEARE'S EARLIER PLAYS ENG 332 SHAKESPEARE LATER PLAYS	3	
ENU 405 TEACHING WRITING	3	
ENG 3___	3	
ENG 3___	3	
ENG 3___	3	
TOTAL CREDITS 39		

English Elective Courses

SELECT ANY THREE (3) ENG COURSES 300 OR HIGHER

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

REQUIREMENTS:

1. SecEd English majors must take one 3-credit class in Diverse Literature or Rhetoric.
2. SecEd English majors must take three 3-credit classes – at least one of which must be at the 300-level – that focus on linguistically and historically different literature or rhetoric.
3. SecEd English majors must take one 3-credit class in Media

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
ENG 105 EXP. IN AMER. LIT.		3	B	MAT ELECTIVE		3/4	C2				
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT ELECTIVE		3/4	C3				
								TOTAL CREDITS 21/23			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	93	
TOTAL CREDITS	135	

Program: **BSED SEU/ENGL with SPU**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3	Content	Required Course	3
			Content	Required Course	3
Total		15/16	*Total*		18/19

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	SPU	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 321WI	Methods of Teaching Sec. Communication	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Total		18	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUG	
EFFECTIVE DATE	# SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

GENERAL SCIENCE

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
TOTAL CREDITS 3		

Required Science Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: AST 140 PLANETARY SCIENCE AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
ENV 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE	3	
ENV 222 ENVIRONMENTAL BIOLOGY	3	
GEG 204 METEOROLOGY	3	
GEL 100 PHYSICAL GEOLOGY	4	
GEL 102 ELEMENTS OF HISTORICAL GEOLOGY	4	
GEL 110 INTRODUCTION TO OCEANOGRAPHY	3	
PHY 040 GENERAL PHYSICS I	4	
PHY 042 GENERAL PHYSICS II	4	
TOTAL CREDITS 51		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	73	
ELECTIVE CREDITS	3	
TOTAL CREDITS	120	

Program: **BSED SEU/GEN SCI**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Elective	Elective	3	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		12/14	*Total*		15/18

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		12/15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED: 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED: 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	CHM 100 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 106 / 115 / 181 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED: 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSGS	
EFFECTIVE DATE	SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

GENERAL SCIENCE with SPECIAL EDUCATION

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Required Science Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: AST 140 PLANETARY SCIENCE AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II	4	
ENV 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE	3	
ENV 222 ENVIRONMENTAL BIOLOGY	3	
GEG 204 METEOROLOGY	3	
GEL 100 PHYSICAL GEOLOGY	4	
GEL 102 ELEMENTS OF HISTORICAL GEOLOGY	4	
GEL 110 INTRODUCTION TO OCEANOGRAPHY	3	
PHY 040 GENERAL PHYSICS I	4	
PHY 042 GENERAL PHYSICS II	4	
TOTAL CREDITS 51		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: ♣♦ MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MATHEMATICS MAT 181 CALCULUS I	3/4	
MAT 140 APPLIED STATISTICAL MATHEMATICS ♣	3	
TOTAL CREDITS 6/7		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	CHM 100 GENERAL CHEMISTRY I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 106 / MAT 115 / MAT 181		3/4	C3				
								TOTAL CREDITS 26/27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	94	
TOTAL CREDITS	138	

Program: **BSED SEU/GEN SCI with SPU**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		15/17	*Total*		18/21

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Required Course	3
Content	Required Course	3/4	SPU 320CT	Required Course	3
Content	Required Course	3/4	SPU 322	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		18/21	*Total*		18/19

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3/4			
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		18/21	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING	GER 103 (Suggested)		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST	GER 104 (Suggested)		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 314 (Suggested)		
2		ENG LIT (010) (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUGE	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

GERMAN

STUDENT: | STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 322 METHODS OF TEACHING SEC. FOREIGN LANGUAGE ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Required German Courses *MUST FOLLOW THE SEQUENCE GIVEN*

COURSE	CR	GRADE
GER 103 INTERMEDIATE GERMAN III ♣♦	3	
GER 104 INTERMEDIATE GERMAN IV ♣♦	3	
GER 211 GERMAN COMPOSITION AND CONVERSATION I ♣	3	
GER 212 GERMAN COMPOSITION AND CONVERSATION II ♣	3	
GER 380 SENIOR SEMINAR[1] ♣	3	
PROGRAM NOTE: *[1]Majors are required to take the Writing Proficiency Test (WPT) and Oral Proficiency Interview (OPI) assessments, in partial fulfillment of the requirements for GER 380.*		
TOTAL CREDITS 15		

German Elective Courses *SELECT ANY SEVEN (7) GER COURSES 200 OR HIGHER*

COURSE	CR	GRADE
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
TOTAL CREDITS 21		

German Elective Courses *200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
EDU 411 TEACHING FOR. LANG. TO EARLY 2ND LANG. LEAR.	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3
GER 103 INT. GERMAN III		3	A3	SPU 201 COG. DEV. OF DIV. LEARNERS		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
GER 104 INT. GERMAN IV		3	A4	MAT ELECTIVE		3/4	C2	ENG LITERATURE		3	D
								TOTAL CREDITS 27/29			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	69	
ELECTIVE CREDITS	9	
TOTAL CREDITS	120	

Program: **BSED SEU/GER**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	MAT	Mathematics Requirement	3/4
FYS 100	First Year Seminar	3	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
MAT	Mathematics Requirement	3/4	Content	Required Course	3
Content	Required Course	3	Elective	Elective	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3			
Total		18	*Total*		15

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3	EDU 411	Teaching Foreign Languages to Early Second Language Learners	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3	Content	Required Course	3
Total		15	*Total*		15

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 322WI	Methods of Teaching Sec. Foreign Language	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3			
Content	Required Course	3			
Elective	Elective	3			
Total		15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING	GER 103 (Suggested)		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST	GER 104 (Suggested)		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 314 (Suggested)		
2		ENG LIT (010) (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSGR	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	BACHELOR OF SCIENCE
VERSION NUMBER: 2188	

GERMAN with SPECIAL EDUCATION

STUDENT: | STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 322 METHODS OF TEACHING SEC. FOREIGN LANGUAGE ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Required German Courses *MUST FOLLOW THE SEQUENCE GIVEN*

COURSE	CR	GRADE
GER 103 INTERMEDIATE GERMAN III ♣♦	3	
GER 104 INTERMEDIATE GERMAN IV ♣♦	3	
GER 211 GERMAN COMPOSITION AND CONVERSATION I ♣	3	
GER 212 GERMAN COMPOSITION AND CONVERSATION II ♣	3	
GER 380 SENIOR SEMINAR[1] ♣	3	
PROGRAM NOTE: *[1]Majors are required to take the Writing Proficiency Test (WPT) and Oral Proficiency Interview (OPI) assessments, in partial fulfillment of the requirements for GER 380.*		
TOTAL CREDITS 15		

German Elective Courses *SELECT ANY SEVEN (7) GER COURSES 200 OR HIGHER*

COURSE	CR	GRADE
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
GER ____	3	
TOTAL CREDITS 21		

German Elective Courses *200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
EDU 411 TEACHING FOR. LANG. TO EARLY 2ND LANG. LEAR.	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3
GER 103 INT. GERMAN III		3	A3	SPU 201 COG. DEV. OF DIV. LEARNERS		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
GER 104 INT. GERMAN IV		3	A4	MAT ELECTIVE		3/4	C2	ENG LITERATURE		3	D
								TOTAL CREDITS 27/29			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	90	
TOTAL CREDITS	132	

Program: **BSED SEU/GER with SPU**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	MAT	Mathematics Requirement	3/4
FYS 100	First Year Seminar	3	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
MAT	Mathematics Requirement	3/4	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	EDU 411	Teaching Foreign Languages to Early Second Language Learners	3
Content	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Total		18	*Total*		18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 322WI	Methods of Teaching Sec. Foreign Language	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Total		18	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 181 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 182 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUMA	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	MATHEMATICS

STUDENT: **STUDENT ID NUMBER:**

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 430 MATH METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses

ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: CSC 135 COMPUTER SCIENCE I CSC 123 INTRODUCTION TO SCIENTIFIC PROGRAMMING	3	
MAT 181 CALCULUS I ♣♦	4	
MAT 182 CALCULUS II ♣♦	4	
MAT 283 CALCULUS III	4	
MAT 220 HISTORY OF MATHEMATICS	3	
MAT 224 FOUNDATIONS OF HIGHER MATHEMATICS	3	
MAT 240 SYNTHETIC GEOMETRY	3	
MAT 260 LINEAR ALGEBRA	3	
MAT 301 PROBABILITY AND STATISTICS I	3	
MAT 311 ABSTRACT ALGEBRA I	3	
MAT 351 REAL ANALYSIS I	3	
TOTAL CREDITS 36		

Mathematics Elective Courses

SELECT ANY TWO (2) MAT COURSES 105 OR HIGHER

COURSE	CR	GRADE
	3/4	
	3/4	
TOTAL CREDITS 6/8		

Mathematics Elective Courses

*SELECT ANY TWO (2) MAT COURSES 200 OR HIGHER **OR** ONE (1) MAT COURSE 200 OR HIGHER AND ONE (1) CSC COURSE 123 OR HIGHER*

COURSE	CR	GRADE
	3/4	
	3/4	
TOTAL CREDITS 6/8		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	MAT 181 CALCULUS I		4	C2	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 182 CALCULUS II		4	C3				
EDU 100 PERSPEC. ON AMER. ED.		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D				
								TOTAL CREDITS 23			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	67	
ELECTIVE CREDITS	9	
TOTAL CREDITS	120	

Program: **BSED SEU/MATH**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Elective	Elective	3	Content	Required Course	3/4
Total		15/16	*Total*		15/17

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Elective	Elective	3	Content	Required Course	3/4
Total		15/17	*Total*		15/18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 430WI	Math Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Elective	Elective	3			
Total		15/18	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 181 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 182 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSMT	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

MATHEMATICS with SPECIAL EDUCATION

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 430 MATH METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Required Mathematics Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: CSC 135 COMPUTER SCIENCE I CSC 123 INTRODUCTION TO SCIENTIFIC PROGRAMMING	3	
MAT 181 CALCULUS I ♣♦	4	
MAT 182 CALCULUS II ♣♦	4	
MAT 283 CALCULUS III	4	
MAT 220 HISTORY OF MATHEMATICS	3	
MAT 224 FOUNDATIONS OF HIGHER MATHEMATICS	3	
MAT 240 SYNTHETIC GEOMETRY	3	
MAT 260 LINEAR ALGEBRA	3	
MAT 301 PROBABILITY AND STATISTICS I	3	
MAT 311 ABSTRACT ALGEBRA I	3	
MAT 351 REAL ANALYSIS I	3	
TOTAL CREDITS 36		

Mathematics Elective Courses

SELECT ANY TWO (2) MAT COURSES 105 OR HIGHER

COURSE	CR	GRADE
	3/4	
	3/4	
TOTAL CREDITS 6/8		

Mathematics Elective Courses

SELECT ANY TWO (2) MAT COURSES 200 OR HIGHER **OR**
ONE (1) MAT COURSE 200 OR HIGHER AND ONE (1) CSC COURSE 123 OR HIGHER

COURSE	CR	GRADE
	3/4	
	3/4	
TOTAL CREDITS 6/8		

♦ THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣ THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	MAT 181 CALCULUS I		4	C2	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 182 CALCULUS II		4	C3				
EDU 100 PERSPEC. ON AMER. ED.		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3/4	D				
								TOTAL CREDITS 23			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	44	
PROGRAM CREDITS	88	
TOTAL CREDITS	132	

Program: **BSED SEU/MATH with SPU**

YEAR 1

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	Content	Required Course	3/4
SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Total		15/16	*Total*		15/17

YEAR 2

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
			Content	Required Course	3/4
Total		15/17	*Total*		18/21

YEAR 3

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3/4	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3/4	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		18/21	*Total*		18/19

YEAR 4

Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 430WI	Math Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3/4			
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		18/21	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
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6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
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8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	MAT 181 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 182 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUPY	
EFFECTIVE DATE	SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

PHYSICS

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS **15**		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS **15**		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS **12**		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Physics Courses

COURSE	CR	GRADE
PHY 100 PHYSICS I	4	
PHY 102 PHYSICS II	4	
PHY 212 MODERN PHYSICS I	3	
PHY 214 MODERN PHYSICS II	3	
PHY 230 OPTICS	3	
PHY 245 MATHEMATICAL PHYSICS I	3	
PHY 312 CLASSICAL MECHANICS I	4	
PHY 315 ADVANCED PHYSICS LABORATORY	3	
PHY 316 ELECTRICITY AND MAGNETISM I	3	
CHOOSE (TWO) OF THE FOLLOWING: PHY 220 ELECTRONICS PHY 327 THERMODYNAMICS AND STATISTICAL MECHANICS MAT 340 DIFFERENTIAL EQUATIONS	3 / 3	
TOTAL CREDITS **36**		

Required Additional Science Courses

COURSE	CR	GRADE
CHOOSE (ONE) OF THE FOLLOWING: AST 140 PLANETARY SCIENCE AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
CHM 100 GENERAL CHEMISTRY I	4	
CHM 102 GENERAL CHEMISTRY II	4	
TOTAL CREDITS **15**		

Required Mathematics Courses

COURSE	CR	GRADE
MAT 181 CALCULUS I ♣♦	4	
MAT 182 CALCULUS II ♣♦	4	
MAT 283 CALCULUS III	4	
TOTAL CREDITS **12**		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 181 CALCULUS I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 182 CALCULUS II		4	C3				
								TOTAL CREDITS **27**			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	45	
PROGRAM CREDITS	78	
TOTAL CREDITS	123	

Program: **BSED SEU/PHYSICS**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/18	*Total*		15/17

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/18	*Total*		15/18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 410WI	Science Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		12/15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

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2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	BIO 104 (Suggested)		
2	QUANTITATIVE REASONING	MAT 181 (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 182 (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		ENG LIT (010) (Suggested)		
2		SPU 314 (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUPM	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	BACHELOR OF SCIENCE
VERSION NUMBER: 2188	PHYSICS & MATHEMATICS

STUDENT: STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 15		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 410 SCIENCE METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
SEU 430 MATH METHODS FOR MIDDLE AND HIGH SCHOOL ♯	3	
TOTAL CREDITS 18		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Physics Courses

COURSE	CR	GRADE
PHY 100 PHYSICS I	4	
PHY 102 PHYSICS II	4	
PHY 212 MODERN PHYSICS I	3	
PHY 230 OPTICS	3	
PHY 312 CLASSICAL MECHANICS I	4	
PHY 315 ADVANCED PHYSICS LABORATORY	3	
PHY 316 ELECTRICITY AND MAGNETISM I	3	
TOTAL CREDITS 24		

Required Mathematics Courses

COURSE	CR	GRADE
MAT 181 CALCULUS I ♣♦	4	
MAT 182 CALCULUS II ♣♦	4	
MAT 283 CALCULUS III	4	
MAT 224 FOUNDATIONS OF HIGHER MATHEMATICS	3	
MAT 240 SYNTHETIC GEOMETRY	3	
MAT 260 LINEAR ALGEBRA	3	
MAT 301 PROBABILITY AND STATISTICS I	3	
MAT 311 ABSTRACT ALGEBRA I	3	
MAT 340 DIFFERENTIAL EQUATIONS	3	
TOTAL CREDITS 30		

Required Additional Science Courses

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
CHM 100 GENERAL CHEMISTRY I	4	
CHM 102 GENERAL CHEMISTRY II	4	
TOTAL CREDITS 12		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	BIO 104 PRINCIPLES OF BIOLOGY		4	C1	ENG LITERATURE		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 181 CALCULUS I		4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT 182 CALCULUS II		4	C3				
								TOTAL CREDITS 27			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	45	
PROGRAM CREDITS	84	
TOTAL CREDITS	129	

Program: **BSED SEU/PHY MAT**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/17	*Total*		15/17

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3/4	Gen Ed	Required Course	3
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Total		15/18	*Total*		15/17

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SEU 410WI	Science Instructional Methods for Middle & High School	3	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4	Content	Required Course	3/4
Content	Required Course	3/4			
Total		18/21	*Total*		15/18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 430WI	Math Instructional Methods for Middle & High School	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3/4	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3/4			
Content	Required Course	3/4			
Content	Required Course	3/4			
Total		15/19	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 201	(Suggested)		
2	EDU 100	(Suggested)		
3	HIS 025	(Suggested)		

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	GEG 010 (Suggested)		
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 314	(Suggested)		
2	HIS 014	(Suggested)		
3	ENG LIT (010)	(Suggested)		

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSS	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

SOCIAL STUDIES

STUDENT: STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 325 METHODS OF TEACHING SEC. SOCIAL STUDIES ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required History Courses

COURSE	CR	GRADE
HIS 014 HISTORY OF CIVILIZATION A ♦	3	
HIS 015 HISTORY OF CIVILIZATION B	3	
HIS 025 U.S. FORMATIVE YEARS & THE FEDERAL REPUBLIC ♦	3	
HIS 026 HISTORY OF THE US: THE EMERGENCE OF MOD. AM.	3	
HIS ___ *Must be 100 level or above*	3	
TOTAL CREDITS 15		

Required Geography Courses

COURSE	CR	GRADE
GEG 010 PHYSICAL GEOGRAPHY ♦	3	
GEG 020 CULTURAL GEOGRAPHY	3	
TOTAL CREDITS 6		

Required Social Science Courses

COURSE	CR	GRADE
POL 010 AMERICAN GOVERNMENT	3	
CHOOSE (ONE) OF THE FOLLOWING: POL 020 INTERNATIONAL RELATIONS POL 030 COMPARATIVE POLITICS	3	
SOC ___	3	
ANT ___	3	
PSY ___	3	
ECO ___	3	
TOTAL CREDITS 18		

Specialized Elective Courses

SELECT THREE (3) COURSES 200-LEVEL OR HIGHER IN PREFIX GEG, HIS, OR POL

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Required Methodology Course

SELECT ONE (1) OF THE FOLLOWING
NOTE: COURSE PREFIX SHOULD MATCH THOSE TAKEN IN SPECIALIZED ELECTIVE

COURSE	CR	GRADE
HIS 378 SEMINAR IN HISTORICAL METHODS GEG 375 RESEARCH METHODS IN GEOGRAPHY POL 101 SOCIAL RESEARCH DESIGN AND WRITING	3	
TOTAL CREDITS 3		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	GEG 010 PHYSICAL GEOGRAPHY		3	C1	HIS 014 HISTORY OF CIVILIZATION A		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT ELECTIVE		3/4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3				
HIS 025 U.S. FORMATIVE YEARS		3	B	ENG LITERATURE		3	D				
								TOTAL CREDITS 30/32			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	69	
ELECTIVE CREDITS	9	
TOTAL CREDITS	120	

Program: **BSED SEU/SOC ST**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3			
Total		18	*Total*		15

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3	Content	Required Course	3
Total		15	*Total*		15

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 325WI	Methods of Teaching Sec. Social Studies	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3			
Content	Required Course	3			
Elective	Elective	3			
Total		15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

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8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 201 (Suggested)			
2	EDU 100 (Suggested)			
3	HIS 025 (Suggested)			

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY	GEG 010 (Suggested)		
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1	SPU 314 (Suggested)			
2	HIS 014 (Suggested)			
3	ENG LIT (010) (Suggested)			

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSSS	
EFFECTIVE DATE	SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

SOCIAL STUDIES with SPECIAL EDUCATION

STUDENT:	STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 325 METHODS OF TEACHING SEC. SOCIAL STUDIES ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required History Courses

COURSE	CR	GRADE
HIS 014 HISTORY OF CIVILIZATION A ♦	3	
HIS 015 HISTORY OF CIVILIZATION B	3	
HIS 025 U.S. FORMATIVE YEARS & THE FEDERAL REPUBLIC ♦	3	
HIS 026 HISTORY OF THE US: THE EMERGENCE OF MOD. AM.	3	
HIS ___ *Must be 100 level or above*	3	
TOTAL CREDITS 15		

Required Geography Courses

COURSE	CR	GRADE
GEG 010 PHYSICAL GEOGRAPHY ♦	3	
GEG 020 CULTURAL GEOGRAPHY	3	
TOTAL CREDITS 6		

Required Social Science Courses

COURSE	CR	GRADE
POL 010 AMERICAN GOVERNMENT	3	
CHOOSE (ONE) OF THE FOLLOWING: POL 020 INTERNATIONAL RELATIONS POL 030 COMPARATIVE POLITICS	3	
SOC ___	3	
ANT ___	3	
PSY ___	3	
ECO ___	3	
TOTAL CREDITS 18		

Specialized Elective Courses

SELECT THREE (3) COURSES 200-LEVEL OR HIGHER IN PREFIX GEG, HIS, OR POL

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

Required Methodology Course

SELECT ONE (1) OF THE FOLLOWING
NOTE: COURSE PREFIX SHOULD MATCH THOSE TAKEN IN SPECIALIZED ELECTIVE

COURSE	CR	GRADE
HIS 378 SEMINAR IN HISTORICAL METHODS GEG 375 RESEARCH METHODS IN GEOGRAPHY POL 101 SOCIAL RESEARCH DESIGN AND WRITING	3	
TOTAL CREDITS 3		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	GEG 010 PHYSICAL GEOGRAPHY		3	C1	HIS 014 HISTORY OF CIVILIZATION A		3	D
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT ELECTIVE		3/4	C2	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3				
HIS 025 U.S. FORMATIVE YEARS		3	B	ENG LITERATURE		3	D				
								TOTAL CREDITS 30/32			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	90	
TOTAL CREDITS	132	

Program: **BSED SEU/SOC ST with SPU**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	COM 10 or above	Oral Communication Course	3
FYS 100	First Year Seminar	3	MAT	Mathematics Requirement	3/4
MAT	Mathematics Requirement	3/4	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Content	Required Course	3
Gen Ed	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 325WI	Methods of Teaching Sec. Social Studies	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Total		18	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE AUGUST 27, 2018

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

_____

_____

_____

_____

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING	SPA 103 (Suggested)		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST	SPA 104 (Suggested)		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 314 (Suggested)		
2		ENG LIT (010) (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSA	SECONDARY EDUCATION
EFFECTIVE DATE: FALL 2018	BACHELOR OF SCIENCE
VERSION NUMBER: 2188	

SPANISH

STUDENT: | STUDENT ID NUMBER:

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 322 METHODS OF TEACHING SEC. FOREIGN LANGUAGE ♯	3	
TOTAL CREDITS 15		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING EDU)*

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Required Spanish Courses *MUST FOLLOW THE SEQUENCE GIVEN*

COURSE	CR	GRADE
SPA 103 INTERMEDIATE SPANISH III ♣♦	3	
SPA 104 INTERMEDIATE SPANISH IV ♣♦	3	
CHOOSE (ONE) OF THE FOLLOWING: SPA 212 SPANISH ♣ / SPA 207 WRITING IN SPANISH FOR THE PROF. WORLD ♣	3	
CHOOSE (ONE) OF THE FOLLOWING: SPA 213 SPANISH CONVERSATION ♣ / SPA 214 SPANISH CONV. FOR HERITAGE SPEAKERS[1] ♣	3	
SPA 380 SENIOR SEMINAR[2] ♣	3	

PROGRAM NOTES:

[1]SPA 214 is the required course for native or heritage learners of Spanish; it is for students who speak Spanish at home and who may or may not have had formal education in Spanish. Native or heritage learners of Spanish are not permitted to take SPA 213.

[2]Majors are required to take the Writing Proficiency Test (WPT) and Oral Proficiency Interview (OPI) assessments, in partial fulfillment of the requirements for SPA 380.

TOTAL CREDITS 15

Spanish Elective Courses *SELECT ANY SEVEN (7) SPA COURSES 200 OR HIGHER*

COURSE	CR	GRADE
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
TOTAL CREDITS 21		

Spanish Elective Courses *200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
EDU 411 TEACHING FOR. LANG. TO EARLY 2ND LANG. LEAR.	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3
SPA 103 INT. SPANISH III		3	A3	SPU 201 COG. DEV. OF DIV. LEARNERS		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
SPA 104 INT. SPANISH IV		3	A4	MAT ELECTIVE		3/4	C2	ENG LITERATURE		3	D
								TOTAL CREDITS 27/29			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	69	
ELECTIVE CREDITS	9	
TOTAL CREDITS	120	

Program: **BSED SEU/SPA**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	MAT	Mathematics Requirement	3/4
FYS 100	First Year Seminar	3	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
MAT	Mathematics Requirement	3/4	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3			
Total		18	*Total*		15

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
Content	Required Course	3	EDU 411	Teaching Foreign Languages to Early Second Language Learners	3
Content	Required Course	3	Content	Required Course	3
Elective	Elective	3	Content	Required Course	3
Total		15	*Total*		15

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 322WI	Methods of Teaching Sec. Foreign Language	3	SEU 390	Clinical Experience & Practicum I	6
Content	Required Course	3	SEU 391	Clinical Experience & Practicum II	6
Content	Required Course	3			
Content	Required Course	3			
Elective	Elective	3			
Total		15	*Total*		12

NAME

ID NUMBER

EFFECTIVE DATE
AUGUST 27, 2018

VERSION
2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:			

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL CMP 1__	CMP 100 (Suggested)		
2	COMPOSITION 200 LEVEL CMP 2__			
3	SPEAKING	SPA 103 (Suggested)		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST	SPA 104 (Suggested)		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 201 (Suggested)		
2		EDU 100 (Suggested)		
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	MAT 017 or higher (Suggested)		
3	ANY COURSE APPROVED FOR C1 OR C2	MAT 017 or higher (Suggested)		

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1		SPU 314 (Suggested)		
2		ENG LIT (010) (Suggested)		
3				

PROGRAM CODE	COLLEGE OF EDUCATION
UCOESEUSSP	
EFFECTIVE DATE	SECONDARY EDUCATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

SPANISH with SPECIAL EDUCATION

STUDENT: **STUDENT ID NUMBER:**

CERTIFICATION COURSES

Professional Courses – Pre-Candidacy

COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣♦	3	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
MAT ELECTIVE ♣♦ *MAT 017 or higher*	3/4	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS 21/23		

Professional Courses – Teacher Candidacy Required

COURSE	CR	GRADE
SEU 312 PRINCIPLES OF LEARNING ♯	3	
SEU 313 PRINCIPLES OF LEARNING LAB ♯	3	
SEU 342 PRINCIPLES OF TEACHING ♯	3	
SEU 343 PRINCIPLES OF TEACHING LAB ♯	3	
SEU 322 METHODS OF TEACHING SEC. FOREIGN LANGUAGE ♯	3	
TOTAL CREDITS 15		

Special Education Courses

COURSE	CR	GRADE
SPU 316 LIT. DEV. AND INSTR. IN CORE AND INTERVENTION AREAS	3	
SPU 317 INTENS. READ, WRIT, AND MATH INTERV. APPROACH	3	
SPU 318 ASSESS. & INSTR. METHODS FOR STUDENTS W/ DIS.	3	
SPU 320 SPECIAL EDUCATION PROCESS AND IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS WITH HIGH INCIDENT REPORTS	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS WITH LOW INCIDENT REPORTS	3	
TOTAL CREDITS 21		

Clinical Experience Courses

COURSE	CR	GRADE
SEU 390 CLINICAL EXPERIENCE I	6	
SPU 393 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS 12		

Required Spanish Courses *MUST FOLLOW THE SEQUENCE GIVEN*

COURSE	CR	GRADE
SPA 103 INTERMEDIATE SPANISH III ♣♦	3	
SPA 104 INTERMEDIATE SPANISH IV ♣♦	3	
CHOOSE (ONE) OF THE FOLLOWING: SPA 212 SPANISH ♣ SPA 207 WRITING IN SPANISH FOR THE PROF. WORLD ♣	3	
CHOOSE (ONE) OF THE FOLLOWING: SPA 213 SPANISH CONVERSATION ♣ SPA 214 SPANISH CONV. FOR HERITAGE SPEAKERS[1] ♣	3	
SPA 380 SENIOR SEMINAR[2] ♣	3	

PROGRAM NOTES:

[1]SPA 214 is the required course for native or heritage learners of Spanish; it is for students who speak Spanish at home and who may or may not have had formal education in Spanish. Native or heritage learners of Spanish are not permitted to take SPA 213.

[2]Majors are required to take the Writing Proficiency Test (WPT) and Oral Proficiency Interview (OPI) assessments, in partial fulfillment of the requirements for SPA 380.

TOTAL CREDITS 15

Spanish Elective Courses *SELECT ANY SEVEN (7) SPA COURSES 200 OR HIGHER*

COURSE	CR	GRADE
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
SPA ____	3	
TOTAL CREDITS 21		

Spanish Elective Courses *200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
EDU 411 TEACHING FOR. LANG. TO EARLY 2ND LANG. LEAR.	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

♦THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣THESE COURSES REQUIRE A GRADE OF C OR BETTER
♯ THESE COURSES REQUIRE A GRADE OF B OR BETTER

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE SEC ED PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 145 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
CMP 100 LEVEL COURSE		3	A1	EDU 100 PERSPEC. ON AMER. ED.		3	B	MAT ELECTIVE		3/4	C3
SPA 103 INT. SPANISH III		3	A3	SPU 201 COG. DEV. OF DIV. LEARNERS		3	B	SPU 314 EFFECTIVE INSTR. STRAT.		3	D
SPA 104 INT. SPANISH IV		3	A4	MAT ELECTIVE		3/4	C2	ENG LITERATURE		3	D
								TOTAL CREDITS 27/29			

CANDIDACY REQUIREMENTS

	REQUIRED	✓
REQUIRED BASIC SKILLS ASSESSMENTS	PASS	
REQUIRED GPA	3.0	
C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C	
PROGRAM SPECIFIC OBSERVATION HRS		

KUTZTOWN UNIVERSITY

GRADUATION REQUIREMENTS

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42	
PROGRAM CREDITS	90	
TOTAL CREDITS	132	

Program: **BSED SEU/SPA with SPU**

YEAR 1					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
CMP 100	Composition Course	3	CMP 200	Composition Course	3
EDU 100CT	Perspectives on American Education	3	MAT	Mathematics Requirement	3/4
FYS 100	First Year Seminar	3	SPU 201	Cognitive Development of Diverse Learners in a Standards Aligned System	3
MAT	Mathematics Requirement	3/4	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		15/16	*Total*		15/16

YEAR 2					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
ENG	Literature Course	3	SPU	Required Course	3
SPU 314	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	Gen Ed	Required Course	3
Gen Ed	Required Course	3	Gen Ed	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Content	Required Course	3	Content	Required Course	3
Total		18	*Total*		18

YEAR 3					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 312WICD	Principles of Learning	3	SEU 342WIVL	Principles of Teaching	3
SEU 313	Principles of Learning Clinical Component	3	SEU 343	Principles of Teaching Clinical Component	3
SPU	Required Course	3	EDU 411	Teaching Foreign Languages to Early Second Language Learners	3
Content	Required Course	3	SPU 317	Intensive Reading, Writing, and Mathematics Intervention Approaches (TRIO Course)	3
Content	Required Course	3	SPU 320CT	Special Education Processes and IEP Development (TRIO Course)	3
Content	Required Course	3	SPU 322	Teaching Students with High Incidence Disabilities (TRIO Course)	3
Total		18	*Total*		18

YEAR 4					
Fall Semester			*Spring Semester*		
Course	*Title*	*C.H.*	*Course*	*Title*	*C.H.*
SEU 322WI	Methods of Teaching Sec. Foreign Language	3	SEU 390	Clinical Experience & Practicum I	6
SPU	Required Course	3	SPU 393	Clinical Experience & Practicum II	6
SPU	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Content	Required Course	3			
Total		18	*Total*		12

BSED in Special Education Pre-K-8 Elementary Education Pre-K-4

Program Code: UCOESPUPK Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

BSED in Special Education Pre-K-8 Elementary Education Pre-K-4

Program Code: UCOESPUPK Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Directed General Education Courses 30 credits		
ENG 23 College Composition	3	II.A.1
COM 10 Fundamentals of Oral Communication	3	II.A.3
PSY 11 General Psychology	3	II.B
Biology with lab – BIO 10 Introduction to Biology or BIO 104 Principles of Biology	3	II.C.1
MAT 103 Fundamentals of Mathematics	3	II.C.2
ENG 10 Introduction to Literature	3	II.D
EEU 211 Family Collaboration and Diversity	3	II.B
PSY 110 Child Psychology	3	II.B
MAT 104 Fundamentals of Mathematics	3	II.C.3
LLT 321 Technologies for the 21st Century Educator	3	II.D

Special Education Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Elementary Education (33 credits)		
EEU 205 Teaching Science in Early Childhood	3	
EEU 215 Introduction to Early Childhood Education	3	
EEU 209 Math Foundations for Pre-K-1	3	
EEU 300 Early Literacy Dev. & Acquisition Pre-K-1	3	
Professional Semester Candidacy Required		
EEU 301 Teaching Literacy in Grades 2- 4	3	
EEU 303 Language Development & Teaching Language Arts in Pre-K-4	3	
EEU 304 Teaching Social Studies in Pre-K-4	3	
EEU 306 Integrating Principles of Learning in Pre-K-4	3	
EEU 309 Teaching Math in Grades 2-4	3	
Clinical Experience Candidacy Required		
EEU 390/391 Clinical Experience Pre- K-4	6	

Electives (6 credits)		
	3	
	3	

Non Directed General Education (12 credits)		
FYS 101 First Year Seminar	3	I.
	3	II.A.2
	3	II.A.4
	3	II.D

Required Cognate Courses (3 credits)		
ARU 236 The Arts and Pre-K-4 Education	3	

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Name_____ Advisor_____

SPECIAL EDUCATION PreK-8
Elementary Education PreK-4 Fall 2018 120 Credits

First Semester

Course No.		S.H.	Scheduled	Grade
+ CMP 100	ENGLISH COMPOSITION I Composition Requirement (Prerequisite for all ENG courses)	3	_____	_____
+ MAT 103	Mathematics course according to Aleks test (Prerequisite for EEU 209, and SPU 216)	3	_____	_____
PSY 11	GENERAL PSYCHOLOGY (Prerequisite for PSY 110 and EEU 215)	3	_____	_____
FYS 100	FIRST YEAR SEMINAR	3	_____	_____
*# SPU 201	COGNITIVE DEVELOPMENT OF DIVERSE LEARNERS IN A STANDARDS ALIGNED SYSTEM (Prerequisite for SPU 316 and SPU 318)	3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

SPU courses should be taken in the sequence listed in this document.

Second Semester

Course No.		S.H.	Scheduled	Grade
+ Elective	Humanities Elective (Literature) (Prerequisite: CMP 100) Recommended courses: ENG 101, World Literature I ENG 105, American Literature: Experiences Course Taken: _____	3	_____	_____
+ MAT 104	MATHEMATICS COURSE Prerequisite for EEU 209 and SPU 216)	3	_____	_____
* PSY 110	CHILD PSYCHOLOGY (Prerequisite: PSY 11; Prerequisite for EEU 215)	3	_____	_____
*# SPU 101	EARLY INTERVENTION AND TRANSITION FOR STUDENTS WITH DISABILITIES (Prerequisite for SPU 216)	3	_____	_____
ELECTIVE FROM CATEGORY D		3	_____	_____
	TOTAL	15		

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Third Semester

Course No.		S.H.	Scheduled	Grade
BIO	Natural Science and Math Elective (Biological Science/Lab) (Prerequisite for EEU 205) Recommended course: BIO 10/11, Introduction to Biology Lecture and Lab Course Taken: _____	3	_____	_____
*# EEU 215	INTRODUCTION TO EARLY: CHILDHOOD EDUCATION (Prerequisites: PSY 11 and PSY 110)	3	_____	_____
*# EEU 209	MATH FOUNDATIONS FOR PREK-1 (Prerequisite for EEU 309)	3	_____	_____
*# SPU 216	EVIDENCE-BASED PRACTICES IN MATHEMATICS FOR STUDENTS WITH DISABILITIES (Prerequisite: SPU 101)	3	_____	_____
COM 10	FUNDAMENTALS OF ORAL COMMUNICATIONS	3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

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Kutztown University Department of Special Education

Fourth Semester

Course No.		S.H.	Scheduled	Grade
A.4 ANY WRITING OR SPEAKING COURSE		3	_____	_____
*# LLT 321	TECHNOLOGIES FOR THE 21st CENTURY EDUCATOR	3	_____	_____
*# SPU 318	ASSESSMENT AND INSTRUCTIONAL METHODS FOR STUDENTS WITH DISABILITIES (Prerequisite: SPU 201, Prerequisite for SPU 320, SPU 328 and SPU 330)	3	_____	_____
*# ARU 236	THE ARTS AND PREK-4 EDUCATION	3	_____	_____
*# EEU 211	FAMILY COLLABORATION AND DIVERSITY			
XXX	A.2 2ND CMP OR WRITING COURSE	3	_____	_____

TOTAL 18

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Fifth Semester

Course No.		S.H.	Scheduled	Grade
*#^ EEU 300	EARLY LITERACY DEVELOPMENT AND ACQUISITION PREK-1 (Prerequisite: EEU 215, Prerequisite for EEU 301; Candidacy required)	3	_____	_____
XXX	Elective	3	_____	_____
*# SPU 316	LITERACY DEVELOPMENT AND INSTRUCTION IN CORE AND INTERVENTION AREAS (Prerequisite: SPU 201, Prerequisite for SPU 317 Candidacy required)	3	_____	_____
*#^ SPU 328	POSITIVE BEHAVIORAL INTERVENTIONS AND SUPPORTS (Prerequisite: SPU 318, Candidacy required)	3	_____	_____
*# SPU 330	TEACHING STUDENTS WITH LOW INCIDENCE DISABILITIES (Prerequisite: SPU 318, Candidacy required)	3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Sixth/Seventh Semester

THE PROFESSIONAL SEMESTER MUST BE SCHEDULED AS A BLOCK; CANDIDACY IS REQUIRED

Course No.		S.H.	Scheduled	Grade
*#^ EEU 301	TEACHING LITERACY FOUNDATIONS IN GRADES 2-4 (Prerequisite: EEU 300)	3	_____	_____
*#^ EEU 303	TEACHING LANGUAGE DEVELOPMENT IN EARLY CHILDHOOD	3	_____	_____
*#^ EEU 304	TEACHING SOCIAL STUDIES IN PREK-4	3	_____	_____
*#^ EEU 306	INTEGRATING PRINCIPLES OF LEARNING FOR PREK-4	3	_____	_____
*#^ EEU 309	TEACHING MATH FOR GRADES 2-4 (Prerequisites: MAT XXX, MAT XXX and EEU 209)	3	_____	_____
	TOTAL	15		

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Sixth/Seventh Semester

Course No.		S.H.	Scheduled	Grade
*#^ SPU 317	INTENSIVE READING WRITING AND MATHEMATICS INTERVENTION APPROACHES (Prerequisite: SPU 316; Candidacy required)	3	_____	_____
*#^ SPU 320	SPECIAL EDUCATION PROCESSES AND IEP DEVELOPMENT (Prerequisite: SPU 318, Prerequisite for SPU 392/393; Candidacy required)	3	_____	_____
*#^ SPU 322	TEACHING STUDENTS WITH HIGH INCIDENCE DISABILITIES (Candidacy required)	3	_____	_____

SPU 317, SPU 320 and SPU 322 must be taken as a block.

XXX	Elective	3	_____	_____
*# EEU 205	TEACHING SCIENCE IN EARLY CHILDHOOD (Prerequisites: Biological Science)	3	_____	_____
	TOTAL	15		

Department policy does not allow a teacher candidate to take more than three special education (SPU) courses in one semester.

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Eighth Semester

Course No.		S.H.	Scheduled	Grade
#^ EEU 390 or #^ EEU 391	CLINICAL EXPERIENCE AND PRACTICUM (PreK-4)	6	_____	_____
#^ SPU 392 or #^ SPU 393 (Prerequisite: SPU 320)	CLINICAL EXPERIENCE AND PRACTICUM (Special Education)	6	_____	_____
	TOTAL	12		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Program Number 38022
Revised for fall 2018; January 2019

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & English/Lang. Arts & Reading

Program Code: UCOESPUME Effective Date: August 27, 2018 Total number of credits: 126

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & English/Lang. Arts & Reading

Program Code: UCOESPUME Effective Date: August 27, 2018 Total number of credits: 126

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 12 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. PHY 20 Introduction to Physics (lab)	3	
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 15 S.H.		
a. ENG 105 or ENG 106	3	II.D
b. ENG 23, 24 or 25	3	II.A.1
c. ENG 100 Principles of Literacy Analysis	3	II.A.2
d. COM 10 Fundamentals of Oral Communication	3	II.A.3
e. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. World History – HIS 14 or HIS 15	3	II.D
c. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 342 Teaching Writing at the Middle Level	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Special Education Courses 36 S.H.		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/English

First Semester
*#SPU 201
+CMP 100
+MAT 103
HIS 025/026
FYS 100

Second Semester
*#SPU 101
+MAT 104
BIO 010/011
+ENG Literature
SCIENCE ELECTIVE

Third Semester
*#SPU 216
MAT 040
AST/CHM/GEL (w/lab)
SOC/ANT/PHI
MAT 105 or 115
COM 010

Fourth Semester
*#SPU 318
EDU 326
*#LLT 321
GEG/ECO
English Elective
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#ELU 212
*#^SPU 330
HIS 014-015/POL 010
ENG 100
MAT 122 or 181

Sixth Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 347
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
MAT 140 or 182
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Revised Spring 2019

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
HIS 025/026
FYS 100

Second Semester
*#SPU 101
+MAT 104
BIO 010/11
Social Science Elective
+ENG Literature
SCIENCE ELECTIVE

Third Semester
*#SPU 216
MAT 040
AST/CHM/GEL (w/lab)
SOC/ANT/PHI
MAT 105 or 115
COM 010

Fourth Semester
*#SPU 318
EDU 326
*#LLT 321
GEG/ECO
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#ELU 212
*#^SPU 330
HIS 014-015/POL 010
PHI 015
MAT 122 or 181

Sixth Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 347
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
Social Science Elective
MAT 140 or 182
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

Revised Spring 2019

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Eng. Lang.

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
AST/CHM/GEL
+ENG Literature

Third Semester
*#SPU 216
MAT 040
SCIENCE ELECTIVE
EDU 326
ENG100
COM 010

Fourth Semester
*#SPU 318
HIS 014/POL 010
*#LLT 321
SCIENCE ELECTIVE
MAT 105 or MAT 115

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
SOC/ANT/PHI
*#ELU 212
SCIENCE ELECTIVE

Sixth Semester (Professional Semester)
*#^ELU 342
*#^ELU 346
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
GEG/ECO
English Elective
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Revised Spring 2019

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
Social Science Elective

Third Semester
*#SPU 216
MAT 040
AST/CHM/GEL
Social Science elective
Math 105 or 115
COM 010

Fourth Semester
*#SPU 318
GEG/ECO
*#LLT 321
SCIENCE ELECTIVE
EDU 326

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
PHI 015
*#ELU 212
HIS/POL

Sixth Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
Social Science Elective
SCIENCE ELECTIVE
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Revised Spring 2019

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Science

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
COM 010

Third Semester
*#SPU 216
MAT 040
PHI 015
GEG/ECO
Science Elective
Math 105 or 115

Fourth Semester
*#SPU 318
*#ELU 212
SCIENCE ELECTIVE
AST/CHM/GEL
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
MAT 122 or 181
EDU 326
HIS/POL

Sixth Semester (Professional Semester)
*#^ELU 346
*#^ELU 347
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
MAT 140 or 182
*#^SPU 317
*#^SPU 320
*#^SPU 322
*#LLT 321
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Revised Spring 2019

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & Science

Program Code: UCOESPUMM Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & Science

Program Code: UCOESPUMM Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid. Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	II.C.3
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 12 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100 Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
d. ENG 10 or any literature course	3	II.D
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. World History – HIS 14 or HIS 15	3	II.D
c. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
EEU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Special Education Courses 36 S.H.		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Science

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
COM 010

Third Semester
*#SPU 216
MAT 040
PHI 015
GEG/ECO
Science Elective
Math 105 or 115

Fourth Semester
*#SPU 318
*#ELU 212
SCIENCE ELECTIVE
AST/CHM/GEL
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
MAT 122 or 181
EDU 326
HIS/POL

Sixth Semester (Professional Semester)
*#^ELU 346
*#^ELU 347
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
MAT 140 or 182
*#^SPU 317
*#^SPU 320
*#^SPU 322
*#LLT 321
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Revised Spring 2019

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & Social Studies

Program Code: UCOESPUMT Effective Date: August, 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

BSED in Special Education PreK-8 Elementary Education – 4-8 Mathematics & Social Studies

Program Code: UCOESPUMT Effective Date: August, 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 12 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. PHY 20 Introduction to Physics (lab)	3	
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 9 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100WI Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
Social Studies (Choose one from each line) 21 S.H.		
a. American History – HIS 25	3	II.B
b. American History – HIS 26	3	
c. World History – HIS 14	3	II.D
d. World History – HIS 15	3	
e. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
f. Constitutional History of US-HIS 310	3	II.D
g. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners.	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Special Education Courses 36 S.H.		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

BSED in Special Education PreK-8 Elementary Education – 4-8 Science & English/Lang. Arts & Reading

Program Code: UCOESPUSC Effective Date: August 27, 2018 Total number of credits: 126

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

BSED in Special Education PreK-8 Elementary Education – 4-8 Science & English/Lang. Arts & Reading

Program Code: UCOESPUSC Effective Date: August 27, 2018 Total number of credits: 126

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 12 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3	
English/Language Arts & Reading 15 S.H.		
a. ENG 105 or ENG 106	3	II.D
b. ENG 23, 24 or 25	3	II.A.1
c. ENG 100 Principles of Literacy Analysis	3	II.A.2
d. COM 10 Fundamentals of Oral Communication	3	II.A.3
e. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
c. World History – HIS 14 or HIS 15	3	II.D
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 342 Teaching Writing at the Middle Level	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Special Education Courses 36 S.H.		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Eng. Lang.

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
AST/CHM/GEL
+ENG Literature

Third Semester
*#SPU 216
MAT 040
SCIENCE ELECTIVE
EDU 326
ENG100
COM 010

Fourth Semester
*#SPU 318
HIS 014/POL 010
*#LLT 321
SCIENCE ELECTIVE
MAT 105 or MAT 115

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
SOC/ANT/PHI
*#ELU 212
SCIENCE ELECTIVE

Sixth Semester (Professional Semester)
*#^ELU 342
*#^ELU 346
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
GEG/ECO
English Elective
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Revised Spring 2019

BSED in Special Education PreK-8 Elementary Education – 4-8 Science & Social Studies

Program Code: UCOESPUSI Effective Date: August, 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

BSED in Special Education PreK-8 Elementary Education – 4-8 Science & Social Studies

Program Code: UCOESPUSI Effective Date: August, 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 12 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3	
English/Language Arts & Reading 9 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100WI Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
Social Studies (Choose one from each line) 21 S.H.		
a. American History – HIS 25	3	II.B
b. American History – HIS 26	3	
c. World History – HIS 14	3	II.D
d. World History – HIS 15	3	
e. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
f. Constitutional History of US-HIS 310	3	II.D
g. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners.	3	
ELU 346 Middle Level Cognitive Development	3	
EEU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Special Education Courses 36 credits S.H.		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO Candidacy Required		
SPU 317 Intensive Reading, Writing and Mathematics Intervention Approaches	3	
SPU 320 Special Education Processes and IEP Development	3	
SPU 322 Teaching Students with High Incidence Disabilities	3	
Clinical Experience Candidacy Required		
SPU 392/393 Clinical Experience Pre-K-8	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Special Education PreK-8
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
Social Science Elective

Third Semester
*#SPU 216
MAT 040
AST/CHM/GEL
Social Science elective
Math 105 or 115
COM 010

Fourth Semester
*#SPU 318
GEG/ECO
*#LLT 321
SCIENCE ELECTIVE
EDU 326

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 330
SCIENCE ELECTIVE
PHI 015
*#ELU 212
HIS/POL

Sixth Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 349
*#^SPU 316
*#^SPU 328

Seventh Semester
*#^SPU 317
*#^SPU 320
*#^SPU 322
Social Science Elective
SCIENCE ELECTIVE
SPU 317, 320 and 322 must be taken as a block

Eighth Semester
#^Clinical Experience

Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Revised Spring 2019

BSED in Visual Impairment Birth-21 Elementary Education Pre-K-4 NEW

Program Code: UCOESPUVE Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

NEW

BSED in Visual Impairment Birth-21 Elementary Education Pre-K-4

Program Code: UCOESPUVE Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Directed General Education Courses 30 credits		
ENG 23 College Composition	3	II.A.1
COM 10 Fundamentals of Oral Communication	3	II.A.3
PSY 11 General Psychology	3	II.B
Biology with lab – BIO 10 Introduction to Biology or BIO 104 Principles of Biology	3	II.C.1
MAT 103 Fundamentals of Mathematics	3	II.C.2
ENG 10 Introduction to Literature	3	II.D
EEU 211 Family Collaboration and Diversity	3	II.B
PSY 110 Child Psychology	3	II.B
MAT 104 Fundamentals of Mathematics	3	II.C.3
LLT 321 Technologies for the 21st Century Educator	3	II.D

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Elementary Education (33 credits)		
EEU 205 Teaching Science in Early Childhood	3	
EEU 215 Introduction to Early Childhood Education	3	
EEU 209 Math Foundations for Pre-K-1	3	
EEU 300 Early Literacy Dev. & Acquisition Pre-K-1	3	
Professional Semester Candidacy Required		
EEU 301 Teaching Literacy in Grades 2- 4	3	
EEU 303 Language Development & Teaching Language Arts in Pre-K-4	3	
EEU 304 Teaching Social Studies in Pre-K-4	3	
EEU 306 Integrating Principles of Learning in Pre-K-4	3	
EEU 309 Teaching Math in Grades 2-4	3	
Clinical Experience Candidacy Required		
EEU 390/391 Clinical Experience Pre- K-4	6	

Electives (6 credits)		
	3	
	3	

Non Directed General Education (12 credits)		
FYS 101 First Year Seminar	3	I.
	3	II.A.2
	3	II.A.4
	3	II.D

Required Cognate Courses (3 credits)		
ARU 236 The Arts and Pre-K-4 Education	3	

Name_____ Advisor_____

VISUAL IMPAIRMENT Birth-21
Elementary Education PreK-4 Fall 2018 120 Credits

First Semester

Course No.		S.H.	Scheduled	Grade
+ CMP 100	ENGLISH COMPOSITION I Composition Requirement (Prerequisite for all ENG courses)	3	_____	_____
+ MAT 103	FUNDAMENTALS OF MATHEMATICS I (Prerequisite for MAT 104, EEU 209 and EEU 309)	3	_____	_____
PSY 11	GENERAL PSYCHOLOGY (Prerequisite for PSY 110 and EEU 130)	3	_____	_____
FYS 100	FIRST YEAR SEMINAR	3	_____	_____
*# SPU 201	COGNITIVE DEVELOPMENT OF DIVERSE LEARNERS IN A STANDARDS ALIGNED SYSTEM (Prerequisite for SPU 204 and SPU 316)	3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Second Semester

Course No.		S.H.	Scheduled	Grade
+ Elective	Humanities Elective (Literature) (Prerequisite: CMP 100) Recommended courses: ENG 101, World Literature I ENG 105, American Literature: Experiences Course Taken: _____	3	_____	_____
+ MAT 104	FUNDAMENTALS OF MATHEMATICS II (Prerequisite: MAT 103; Prerequisite for EEU 209 and EEU 309)	3	_____	_____
* PSY 110	CHILD PSYCHOLOGY (Prerequisite: PSY 11; Prerequisite for EEU 215)	3	_____	_____
*# SPU 101	EARLY INTERVENTION AND TRANSITION FOR STUDENTS WITH DISABILITIES	3	_____	_____
ELECTIVE FROM CATEGORY D		3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Kutztown University Department of Special Education

Third Semester

Course No.		S.H.	Scheduled	Grade
Elective	Natural Science and Math Elective (Biological Science/Lab) (Prerequisite for EEU 205) Recommended course: BIO 10/11, Introduction to Biology Lecture and Lab Course Taken: _____	3	_____	_____
*# EEU 215	INTRODUCTION TO EARLY CHILDHOOD EDUCATION (Prerequisites: PSY 11 and PSY 110)	3	_____	_____
*# EEU 209	MATH FOUNDATIONS FOR PREK-1 (Prerequisites: MAT 103 and MAT 104, Prerequisite for EEU 309)	3	_____	_____
*# SPU 200	READING, WRITING, AND TEACHING UNIFIED ENGLISH BRAILLE (Prerequisite for SPU 221 and SPU 300)	3	_____	_____
*# SPU 202	ORIENTATION AND MOBILITY FOR TEACHERS OF STUDENTS WITH VISUAL IMPAIRMENTS, INCLUDING DEAFBLINDNESS	3	_____	_____
COM 10	FUNDAMENTALS OF ORAL COMMUNICATIONS	3	_____	_____
	TOTAL	18		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Fourth Semester

Course No.		S.H.	Scheduled	Grade
A.4 ANY WRITING OR SPEAKING COURSE		3	_____	_____
EEU 211	FAMILY COLLABORATION AND DIVERSITY	3	_____	_____
*# SPU 204	ANATOMY OF THE EYE AND RELATED ASSESSMENT OF STUDENTS WITH VISUAL IMPAIRMENTS (Prerequisite: SPU 201, Prerequisite for SPU 330)	3	_____	_____
*# SPU 221	ASSESSMENT FOR STUDENTS WITH VISUAL IMPAIRMENTS (Prerequisite: SPU 200)	3	_____	_____
*# SPU 300	READING, WRITING, AND TEACHING UNIFIED ENGLISH BRAILLE, NEMETH MATHEMATICS CODE, AND OTHER BRAILLE CODES (Prerequisite: SPU 200, Prerequisite for SPU 302)	3	_____	_____

Note: SPU 204, SPU 300, and SPU 221 must be taken together for the vision sequence.

TOTAL 15

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

EEU and SPU courses listed in the fifth to eighth semesters may only be taken by teacher candidates.

Kutztown University Department of Special Education

Fifth Semester

Course No.		S.H.	Scheduled	Grade
SPU 333	ASSISTIVE TECHNOLOGY IN VI	3	_____	_____
*# EEU 300	EARLY LITERACY DEVELOPMENT AND ACQUISITION PREK-1 (Prerequisite: EEU 215, Prerequisite for EEU 301)	3	_____	_____
*# ARU 236	THE ARTS AND PREK-4 EDUCATION	3	_____	_____
*#^ SPU 302	ADAPTING MATERIALS AND METHODS OF INSTRUCTION AND EVALUATION FOR TEACHING STUDENTS WITH VISUAL IMPAIRMENTS (Prerequisite: SPU 300, Prerequisite for SPU 390/391)	3	_____	_____
XXX	A.2 2nd CMP OR WRITING COURSE	3	_____	_____
	TOTAL	15		

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

Kutztown University Department of Special Education

Sixth Semester

Course No.		S.H.	Scheduled	Grade
*#^ SPU 330	TEACHING STUDENTS WITH LOW INCIDENCE DISABILITIES (Prerequisite: SPU 204)	3	_____	_____
*# EEU 205	TEACHING SCIENCE IN EARLY CHILDHOOD (Prerequisites: Biological Science and Physical Science/Earth Space Science courses)	3	_____	_____
XXX	Elective	3	_____	_____
*#^ SPU 316	LITERACY DEVELOPMENT AND INSTRUCTION IN CORE AND INTERVENTION AREAS (Prerequisite: SPU 201)	3	_____	_____
*#LLT 321	TECHNOLOGIES FOR THE 21st CENTURY EDUCATOR	3	_____	_____
	TOTAL	15		

Department policy does not allow a teacher candidate to take more than three special education (SPU) courses in one semester.

+ *These courses must be completed with a "C" grade or better by 48 credits.*

These courses must be completed with a "C" grade or better.

* *These courses must be completed prior to clinical experience.*

^ *These courses require teacher candidacy.*

THE PROFESSIONAL SEMESTER MUST BE SCHEDULED AS A BLOCK

Course No.		S.H.	Scheduled	Grade
*#^ EEU 301	TEACHING LITERACY FOUNDATIONS IN GRADES 2-4 (Prerequisite: EEU 300)	3	_____	_____
*#^ EEU 303	TEACHING LANGUAGE DEVELOPMENT IN EARLY CHILDHOOD	3	_____	_____
*#^ EEU 304	TEACHING SOCIAL STUDIES IN PREK-4	3	_____	_____
*#^ EEU 306	INTEGRATING PRINCIPLES OF LEARNING FOR PREK-4	3	_____	_____
*# ^ EEU 309	TEACHING MATH FOR GRADES 2-4 (Prerequisites: MAT 103, MAT 104 and EEU 209)	3	_____	_____
	TOTAL	15		

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Eighth Semester

Course No.		S.H.	Scheduled	Grade
# EEU 390 or # EEU 391	CLINICAL EXPERIENCE AND PRACTICUM (PreK-4)	6	_____	_____
# SPU 390 or # SPU 391	CLINICAL EXPERIENCE AND PRACTICUM (Visual Impairment) (Prerequisite: SPU 302)	6	_____	_____
	TOTAL	12		

+ These courses must be completed with a "C" grade or better by 48 credits.

 # These courses must be completed with a "C" grade or better.

** These courses must be completed prior to clinical experience.*

^ These courses require teacher candidacy.

Program Number 38012
Revised spring 2019, January

NEW

BSED in Visual Impairment Birth-21 – Elementary Education 4-8 Mathematics & English/Lang. Arts & Reading

Program Code: UCOESPUEM Effective Date: August 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

NEW

BSED in Special Education VI B-21 Elementary Education – 4-8 Mathematics & English/Lang. Arts & Reading

Program Code: UCOESPUEM Effective Date: August 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid. Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 12 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. PHY 20 Introduction to Physics (lab)	3	
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 18 S.H.		
a. ENG 105 or ENG 106	3	II.D
b. ENG 23, 24 or 25	3	II.A.1
c. ENG 100 Principles of Literacy Analysis	3	II.A.2
d. COM 10 Fundamentals of Oral Communication	3	II.A.3
e. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
f. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. World History – HIS 14 or HIS 15	3	II.D
c. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 342 Teaching Writing at the Middle Level	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/English

First Semester
*#SPU 201
+CMP 100
+MAT 103
HIS 025/026
FYS 100

Second Semester
*#SPU 101
+MAT 104
BIO 010/011
+ENG Literature
SCIENCE ELECTIVE
English Elective

Third Semester
*#SPU 202
MAT 040
AST/CHM/GEL (w/lab)
*#SPU 200
MAT 105 or 115
COM 010

Fourth Semester
*# SPU 204
*# SPU 221
*# SPU 300
EDU 326
*#LLT 321
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#ELU 212
*#^SPU 302
HIS 014-015/POL 010
ENG 100
MAT 122 or 181

Sixth Semester
MAT 140 or 182
SOC/ANT/PHI
*#^SPU 316
GEG/ECO
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 347
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
^ These courses require teacher candidacy.

Revised Spring 2018

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
HIS 025/026
FYS 100

Second Semester
*#SPU 101
+MAT 104
BIO 010/11
Social Science Elective
+ENG Literature
SCIENCE ELECTIVE

Third Semester
*#SPU 202
MAT 040
AST/CHM/GEL (w/lab)
*# SPU 200
MAT 105 or 115
COM 010

Fourth Semester
*#SPU 204
*# SPU 221
*# SPU 300
*#LLT 321
EDU 326
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#ELU 212
*#^SPU 302
HIS 014-015/POL 010
PHI 015
MAT 122 or 181

Sixth Semester
MAT 140 or 182
Social Science Elective
*#^SPU 316
SOC/ANT/PHI
GEG/ECO
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 347
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
^ These courses require teacher candidacy.

Revised Spring 2018

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Eng. Lang.

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
AST/CHM/GEL
+ENG Literature
SCIENCE ELECTIVE

Third Semester
*#SPU 200
*#SPU 202
MAT 040
EDU 326
ENG100
COM 010

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
*#LLT 321
SCIENCE ELECTIVE
MAT 105 or MAT 115

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
SOC/ANT/PHI
*#ELU 212
SCIENCE ELECTIVE

Sixth Semester
HIS 014/POL 010
*#^SPU 316
GEG/ECO
English Elective
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 342
*#^ELU 346
*#^ELU 349
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
These courses require teacher candidacy.

Revised Spring 2018

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
Social Science Elective

Third Semester
*# SPU 200
*# SPU 202
MAT 040
AST/CHM/GEL
Math 105 or 115
COM 010

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
SCIENCE ELECTIVE
*#LLT 321
EDU 326

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
PHI 015
*#ELU 212
HIS/POL

Sixth Semester
Social Science elective
GEG/ECO
*#^SPU 316
Social Science Elective
SCIENCE ELECTIVE
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 349
*# SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

\+ *These courses must be completed with a "C" grade or better by 48 credits.*
\# *These courses must be completed with a "C" grade or better.*
* *These courses must be completed prior to clinical experience.*
^ *These courses require teacher candidacy.*

Revised Spring 2018

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Science

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
COM 010

Third Semester
*#SPU 200
*#SPU 202
MAT 040
GEG/ECO
Science Elective
Math 105 or 115

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
*#ELU 212
AST/CHM/GEL
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
MAT 122 or 181
EDU 326
HIS/POL

Sixth Semester
MAT 140 or 182
*#LLT 321
*#^SPU 316
SCIENCE ELECTIVE
PHI 015
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 349
*#^ELU 346
*#^ELU 347
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
^ These courses require teacher candidacy.

Revised Spring 2018

Visual Impairment Birth-21 Elementary Education – 4-8 Mathematics & Science NEW

Program Code: UCOESPUES Effective Date: August, 27, 2018 Total number of credits: 135

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS	____	

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS	____	

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS	____	

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS	____	

KUTZTOWN UNIVERSITY

NEW

BSED in Special Education VI Birth 21 Elementary Education – 4-8 Mathematics & Science

Program Code: UCOESPUES Effective Date: August, 27, 2018 Total number of credits: 135

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid. Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	II.C.3
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 15 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100 Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
d. ENG 10 or any literature course	3	II.D
e. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. World History – HIS 14 or HIS 15	3	II.D
c. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
EEU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Math/Science

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
COM 010

Third Semester
*#SPU 200
*#SPU 202
MAT 040
GEG/ECO
Science Elective
Math 105 or 115

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
*#ELU 212
AST/CHM/GEL
MAT 106 or 140

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
MAT 122 or 181
EDU 326
HIS/POL

Sixth Semester
MAT 140 or 182
*#LLT 321
*#^SPU 316
SCIENCE ELECTIVE
PHI 015
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 349
*#^ELU 346
*#^ELU 347
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
^ These courses require teacher candidacy.

Revised Spring 2018

Visual Impairment Birth-21 Elementary Education – 4-8 Mathematics & Social Studies NEW

Program Code: UCOESPUMS Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS	____	

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS	____	

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS	____	

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS	____	

KUTZTOWN UNIVERSITY

NEW

BSED in Special Education VI B-21 Elementary Education – 4-8 Mathematics & Social Studies

Program Code: UCOESPUMS Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 12 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. PHY 20 Introduction to Physics (lab)	3	
d. BIO 130 Environmental Issues: Global Perspectives OR BIO 140 Bio and Society	3	
Mathematics 21 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra	3	
e. MAT 122 Applied Calculus	3	
f. MAT 140 Applied Stat Methods	3	
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3	
English/Language Arts & Reading 12 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100WI Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
Social Studies (Choose one from each line) 21 S.H.		
a. American History – HIS 25	3	II.B
b. American History – HIS 26	3	
c. World History – HIS 14	3	II.D
d. World History – HIS 15	3	
e. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
f. Constitutional History of US-HIS 310	3	
g. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners.	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 347 Teach. & Assess. Math for Mid. Level Learner	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

NEW

Visual Impairment Birth-21 Elementary Education – 4-8 Science & English/Lang. Arts & Reading

Program Code: UCOESPUSE Effective Date: August 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

NEW

BSED in Special Education VI B-21 Elementary Education – 4-8 Science & English/Lang. Arts & Reading

Program Code: UCOESPUSE Effective Date: August 27, 2018 Total number of credits: 129

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 12 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3	
English/Language Arts & Reading 18 S.H.		
a. ENG 105 or ENG 106	3	II.D
b. ENG 23, 24 or 25	3	II.A.1
c. ENG 100 Principles of Literacy Analysis	3	II.A.2
d. COM 10 Fundamentals of Oral Communication	3	II.A.3
e. ENG 230 Adv. Comp **OR** ENG 334 Intro. to Linguistics	3	
f. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
Social Studies (Choose one from each line) 12 S.H.		
a. American History – HIS 25 or HIS 26	3	II.B
b. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
c. World History – HIS 14 or HIS 15	3	II.D
d. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 342 Teaching Writing at the Middle Level	3	
ELU 346 Middle Level Cognitive Development	3	
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Eng. Lang.

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
AST/CHM/GEL
+ENG Literature
SCIENCE ELECTIVE

Third Semester
*#SPU 200
*#SPU 202
MAT 040
EDU 326
ENG100
COM 010

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
*#LLT 321
SCIENCE ELECTIVE
MAT 105 or MAT 115

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
SOC/ANT/PHI
*#ELU 212
SCIENCE ELECTIVE

Sixth Semester
HIS 014/POL 010
*#^SPU 316
GEG/ECO
English Elective
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 342
*#^ELU 346
*#^ELU 349
*#^SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
These courses require teacher candidacy.

Revised Spring 2018

Visual Impairment Birth-21 Elementary Education – 4-8 Science & Social Studies NEW

Program Code: UCOESPUSS Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

NEW

BSED in Special Education VI B-21 Elementary Education – 4-8 Science & Social Studies

Program Code: UCOESPUSS Effective Date: August, 27, 2018 Total number of credits: 132

Version Number: 2188 – Fall 2018

CERTIFICATION COURSES

Professional Courses 9 S.H.		
a. ELU 212 Teaching Diverse Learners at Mid.Level	3	
b. LLT 321 Technologies for the 21st Century Educator	3	II.D
c. EDU 326 Intro. To Middle level Educ.	3	
Natural Sciences 21 S.H.		
a. CHM 20 Introduction to Chemistry (lab)	3	II.C.3
b. BIO 10 **OR** BIO 104	3/4	II.C.1
c. AST 20 Introductory Astronomy (lab)	3	
d. GEG 204 Meteorology	3	
e. GEL 20 Introduction to Geology (lab)	3	
f. PHY 20 Introduction to Physics (lab)	3	
g. BIO 130 Environmental Issues: Global Perspectives	3	
Mathematics 12 S.H.		
a. MAT 103 Fundamentals of Math I	3	II.C.2
b. MAT 104 Fundamentals of Math II	3	
c. MAT 40 Geometry	3	
d. MAT 105 College Algebra **OR** MAT 115 Pre-Calculus	3	
English/Language Arts & Reading 12 S.H.		
a. ENG 23, 24 or 25	3	II.A.1
b. ENG 100WI Principles of Literacy Analysis	3	II.A.2
c. COM 10 Fundamentals of Oral Communication	3	II.A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Learners	3	
Social Studies (Choose one from each line) 21 S.H.		
a. American History – HIS 25	3	II.B
b. American History – HIS 26	3	
c. World History – HIS 14	3	II.D
d. World History – HIS 15	3	
e. Economics – ECO 10, ECO 11 or ECO 12	3	II.B
f. Constitutional History of US-HIS 310	3	II.D
g. Geography – Select One GEG 10 GEG 20 GEG 101	3	II.B

CLINICAL COMPONENT (15 S.H.)

A. **Professional Semester – Candidacy Required**		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners.	3	
ELU 346 Middle Level Cognitive Development	3	
EEU 349 Teach. & Assess. Sci. for Mid. Level Learners	3	
B. **Clinical Experience Candidacy Required**		
ELU 392/393 Clinical Experience with Mid. Lev. Learners	6	

Visual Impairment Courses (36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Teachers of Students with Visual Impairments, including Deafblindness	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 302 Adapting Materials & Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
TRIO		
SPU 204 Anatomy of the Eye and related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
Clinical Experience Candidacy Required		
SPU 390/391 Clinical Experience VI B-21	6	

Non Directed Gen Ed (6 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.4

Special Education: Visual Impairment: Birth-21
Suggested Course Sequence
Effective Fall 2018 freshman class
4-8 Science/Social Studies

First Semester
*#SPU 201
+CMP 100
+MAT 103
BIO 010/011
FYS 100

Second Semester
*#SPU 101
+MAT 104
HIS 025/026
SCIENCE ELECTIVE
+ENG Literature
Social Science Elective

Third Semester
*# SPU 200
*# SPU 202
MAT 040
AST/CHM/GEL
Math 105 or 115
COM 010

Fourth Semester
*#SPU 204
*#SPU 221
*#SPU 300
SCIENCE ELECTIVE
*#LLT 321
EDU 326

Fifth Semester
SCIENCE ELECTIVE
*#^SPU 302
SCIENCE ELECTIVE
PHI 015
*#ELU 212
HIS/POL

Sixth Semester
Social Science elective
GEG/ECO
*#^SPU 316
Social Science Elective
SCIENCE ELECTIVE
SPU 333

Seventh Semester (Professional Semester)
*#^ELU 344
*#^ELU 346
*#^ELU 349
*# SPU 330

Eighth Semester
#^Clinical Experience

SPU 204, 221, & 300 must be taken as a block
Refer to actual grid for course titles
Special Education courses should be taken as detailed above

+ These courses must be completed with a "C" grade or better by 48 credits.
 # These courses must be completed with a "C" grade or better.
** These courses must be completed prior to clinical experience.*
^ These courses require teacher candidacy.

Revised Spring 2018

NEW

COLLEGE OF EDUCATION • BSED • LIBRARY SCIENCE

Program Number: UCOELLTE **Effective Date: August 27, 2018**

GENERAL EDUCATION

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	

TOTAL CREDITS _____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___

TOTAL CREDITS _____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___

TOTAL CREDITS

_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___

TOTAL CREDITS _____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___

TOTAL CREDITS

KUTZTOWN UNIVERSITY

NEW

B.S. in Education – Library Science (120 credits)
Program Number: UCOELLTE **August 27, 2018**

REQUIRED COURSES THAT CAN BE MET THROUGH GEN ED SELECTIONS:	RC	CR	GR	GE
EDU 100: Perspectives on American Education ♦	3			B
EDU 150: Meeting the Instructional Needs of English Language Learners ♦	3			B
ENG _____: English Composition ♦	3			A
ENG _____: English Literature ♦	3			D
MAT _____: MAT 017 or higher ♦	3			C
MAT _____: MAT 017 or higher ♦	3			C
PSY 011: General Psychology ♦	3			B
SPU 314: Effective Instructional Strategies ♦	3			D

CERTIFICATION COURSES (27 credits)

LLT 200: Foundations of Information Science ♦	3			
LLT 310: Information Resources and Services ♦	3			
LLT 320: Resources for Children and Young Adults ♦	3			
LLT 321: Technologies for the 21st Century Educator ♦	3			
LLT 324: Librarian's Role in Reading Strategies ♦	3			
LLT 330: Makerspaces and Technology Enhanced Programming ♦	3			
PSY 110: Child Psychology **OR** PSY 120: Adolescent Psychology ♦	3			
SPU 201: Cognitive Development ♦	3			
SPU 316: Literacy Development and Instruction in Core and Intervention Areas ♦	3			

ELECTIVES: (24 credits)
With their advisor's guidance, students are encouraged to select an appropriate minor

Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			

PROFESSIONAL SEMESTER (15 credits)

LLT 340: Management of Information and Technology Centers ♦	3			
LLT 350: Collecting and Curating Print and Digital Resources ♦	3			
LLT 360: Organization of Information, Metadata, and Library Technologies ♦	3			
LLT 370: Educational Program of the Library ♦	3			
LLT 385: Digital Portfolios ♦	3			

CLINICAL EXPERIENCE (12 credits)

LLT 398: Clinical Experience and Practicum I ♦	6			
LLT 399: Clinical Experience and Practicum II ♦	6			

♦ These courses require a grade of "C" or better

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree.

Updated 4/27/2018

Date: Jan 2019

Suggested eight semester program for B.S.ED. in Library Science	If minor is taken, you need to get a minor grid sheet from that department. Competencies- be sure to complete this area
Fall (15 credits)	**Spring (15 credits)**
LLT 200 CPM 1 (ENG COMP) – A1 Math 017 or above – C2 PSY 011 – B1 FYS	LLT 320 CPM 2 (ENG COMP) – A2 EDU 100 – B2 PSY 110 or PSY 120 – B3 English Literature – D1
Clearances- Stage Requirement form needs to be signed 30 hours observation- review packet of information PASS ETS CORE	
Fall (15 credits)	**Spring (15 credits)**
LLT 310 SPU 201 EDU 150 Lab Science - C1 COM 10 – A3	ITC 321 – D2 SPU 314 Writing course A4 Math 017 or above – C3 Minor course NEED D3
Candidacy during semester when they reach 48 credits- Oct.1, March 1	
Fall (15 credits)	**Spring (15 credits)**
LLT 324 LLT 330 SPU 316 Minor course Minor course	LLT 340 LLT 350 LLT 360 LLT 370 LLT 385 NOTE: Students are out in the field for two weeks
PRAXIS II- 311 and 511- prior to student teaching	
	Renew clearances prior to student teaching
Fall (18 credits)	**Spring (12 credits)**
Specialty elective-LLT 330 Makerspaces or LLT 364 Preservation Minor course Minor course Minor course Elective	Student Teach- 12 credits LIB 398/399

Educational Studies Track – BSED Special Education

Program Code: UCOESPUEDS Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

Educational Studies Track – BSED Special Education

Program Code: UCOESPUEDS Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Directed General Education Courses 30 credits		
ENG 23 College Composition I	3	II.A.1
COM 10 Fundamentals of Oral Communication	3	II.A.3
PSY 11 General Psychology	3	II.B
PSY 110 Child Psychology	3	II.B
EEU 211 Family Collaboration and Diversity	3	II.B
Biology with lab – BIO 10 Introduction to Biology or BIO 104 Principles of Biology	3	II.C.1
MAT 103 Fundamentals of Mathematics I	3	II.C.2
MAT 104 Fundamentals of Mathematics II	3	II.C.3
ENG LIT 10 – Introduction to Literature	3	II.D
LLT 321 Technologies for the 21st Century Educator	3	II.D

Special Education Courses (33/36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 216 Evidence-Based Practices in Mathematics for Students with Disabilities	3	
SPU 316 Literacy Development and Instruction in Core and Intervention Areas	3	
SPU 318 Assessment and Instructional Methods for Students with Disabilities	3	
SPU 314 Effective Instructional Strategies for Students with Disabilities in Inclusive Settings	3	
SPU328 Positive Behavioral Intervention and Supports	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
SPU 433 Characteristics and Etiology of Autism Spectrum Disorders	3	
SPU 434 Applied Behavior Analysis	3	
SPU 435 Assessment and Instructional Intervention for Individuals with Autism Spectrum Disorders	3	
SPU 381 Internship in Special Education	3/6	

Electives credits (45 credits)		

Non Directed Gen Ed (12 credits)		
FYS 101 First year seminar	3	I
	3	II.A.2
	3	II.A.4
	3	II.D

In addition to all other requirements, students must complete a minimum of 120 credit hours to be eligible for award of a degree. **4/30/18**

Name_____ Advisor_____

SPECIAL EDUCATION
Educational Studies Track Fall 2018 120 Credits

First Semester

Course No.		S.H.	Scheduled	Grade
CMP 100	ENGLISH COMPOSITION I Composition Requirement (Prerequisite for all ENG courses)	3	_____	_____
MAT 103	Mathematics course according to Aleks test (Prerequisite for EEU 209, and SPU 216)	3	_____	_____
PSY 11	GENERAL PSYCHOLOGY (Prerequisite for PSY 110 and EEU 215)	3	_____	_____
FYS 100	FIRST YEAR SEMINAR	3	_____	_____
SPU 201	COGNITIVE DEVELOPMENT OF DIVERSE LEARNERS IN A STANDARDS ALIGNED SYSTEM (Prerequisite for SPU 316 and SPU 318)	3	_____	_____
	TOTAL	15		

Second Semester

Course No.		S.H.	Scheduled	Grade
Elective	Humanities Elective (Literature) (Prerequisite: CMP 100) Recommended courses: ENG 101, World Literature I ENG 105, American Literature: Experiences Course Taken: _____	3	_____	_____
MAT 104	MATHEMATICS COURSE Prerequisite for EEU 209 and SPU 216)	3	_____	_____
PSY 110	CHILD PSYCHOLOGY (Prerequisite: PSY 11; Prerequisite for EEU 215)	3	_____	_____
SPU 101	EARLY INTERVENTION AND TRANSITION FOR STUDENTS WITH DISABILITIES (Prerequisite for SPU 216)	3	_____	_____
ELECTIVE FROM CATEGORY D		3	_____	_____
	TOTAL	15		

Kutztown University Department of Special Education

Third Semester

Course No.		S.H.	Scheduled	Grade
BIO	Natural Science and Math Elective (Biological Science/Lab) (Prerequisite for EEU 305) Recommended course: BIO 10/11, Introduction to Biology Lecture and Lab Course Taken: _____	3	_____	_____
EEU 215	INTRODUCTION TO EARLY: CHILDHOOD EDUCATION (Prerequisites: PSY 11 and PSY 110)	3	_____	_____
SPU 216	EVIDENCE-BASED PRACTICES IN MATHEMATICS FOR STUDENTS WITH DISABILITIES (Prerequisite: SPU 101)	3	_____	_____
COM 10	FUNDAMENTALS OF ORAL COMMUNICATIONS	3	_____	_____
EDU 100	PERSPECTIVES ON AMERICAN EDUCATION	3	_____	_____
	TOTAL	15		

Fourth Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
A.4 ANY WRITING OR SPEAKING COURSE		3	_____	_____
EEU 209	MATH FOUNDATIONS FOR PREK-1	3	_____	_____
SPU 314	EFFECTIVE INSTRUCTIONAL STRATEGIES FOR STUDENTS WITH DISABILITIES	3	_____	_____
XXX	A.2 2ND CMP OR WRITING COURSE	3	_____	_____
	TOTAL	15		

Fifth Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
LLT 321	TECHNOLOGIES FOR THE 21st CENTURY EDUCATOR	3	_____	_____
SPU 316	LITERACY DEVELOPMENT AND INSTRUCTION IN CORE AND INTERVENTION AREAS (Prerequisite: SPU 201)	3	_____	_____
SPU 318	ASSESSMENT AND INSTRUCTIONAL METHODS FOR STUDENTS WITH DISABILITIES (Prerequisite: SPU 201)	3	_____	_____
	TOTAL	15		

Sixth/Seventh Semester

THE PROFESSIONAL SEMESTER MUST BE SCHEDULED AS A BLOCK; CANDIDACY IS REQUIRED

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
EEU 211	FAMILY COLLABORATION AND DIVERSITY	3	_____	_____
SPU 433	CHARACTERISTICS AND ETIOLOGY OF AUTISM SPECTRUM DISORDERS	3	_____	_____
SPU 435	ASSESSMENT AND INSTRUCTIONAL INTERVENTIONS FOR INDIVIDUALS WITH AUTISM SPECTRUM DISORDERS	3	_____	_____
	TOTAL	15		

Sixth/Seventh Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
ARU 236	THE ARTS AND PREK-4 EDUCATION	3	_____	_____
*# EEU 305	TEACHING SCIENCE IN EARLY CHILDHOOD (Prerequisites: Biological Science)	3	_____	_____
SPU 434	APPLIED BEHAVIOR ANALYSIS	3	_____	_____
	TOTAL	15		

Eighth Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
SPU 381	INTERNSHIP IN SPECIAL EDUCATION	3/6	_____	_____
	TOTAL	15/18		

Revised for fall 2018; April 2019

Educational Studies Track – BSED Visual Impairment NEW

Program Code: UCOESPUVIS Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 ____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		____

KUTZTOWN UNIVERSITY

NEW

Educational Studies Track – BSED Visual Impairment

Program Code: UCOESPUVIS Effective Date: August 27, 2018 Total number of credits: 120

Version Number: 2188 – Fall 2018

Directed General Education Courses 30 credits		
ENG 23 College Composition I	3	II.A.1
COM 10 Fundamentals of Oral Communication	3	II.A.3
PSY 11 General Psychology	3	II.B
PSY 110 Child Psychology	3	II.B
EEU 211 Family Collaboration and Diversity	3	II.B
Biology with lab – BIO 10 Introduction to Biology or BIO 104 Principles of Biology	3	II.C.1
MAT 103 Fundamentals of Mathematics I	3	II.C.2
MAT 104 Fundamentals of Mathematics II	3	II.C.3
ENG LIT 10 – Introduction to Literature	3	II.D
LLT 321 Technologies for the 21st Century Educator	3	II.D

Visual Impairment Courses (33/36 credits)		
SPU 101 Early Intervention for Students with Disabilities	3	
SPU 200 Reading, Writing, and Teaching Unified English Braille	3	
SPU 201 Cognitive Development of Diverse Learners in a Standards Aligned System	3	
SPU 202 Orientation and Mobility for Students with Visual Impairment and Deafblindness	3	
SPU 204 Anatomy of the Eye and Related Assessment of Students with Visual Impairments	3	
SPU 221 Assessment for Students with Visual Impairments	3	
SPU 300 Reading, Writing, and Teaching Unified English Braille, Nemeth Mathematics Code, and Other Braille Codes	3	
SPU 330 Teaching Students with Low Incidence Disabilities	3	
SPU 433 Characteristics and Etiology of Autism Spectrum Disorders	3	
SPU 434 Applied Behavior Analysis	3	
SPU 435 Assessment and Instructional Intervention for Individuals with Autism Spectrum Disorders	3	
SPU 381 Internship in Special Education	3/6	

Electives credits (45 credits)		

Non Directed Gen Ed (12 credits)		
FYS 101 First year seminar	3	I.
	3	II.A.2
	3	II.A.4
	3	II.D

Name_____ Advisor_____

VISUAL IMPAIRMENT
Educational Studies Track Fall 2018 120 Credits

First Semester

Course No.		S.H.	Scheduled	Grade
CMP 100	ENGLISH COMPOSITION I Composition Requirement (Prerequisite for all ENG courses)	3	_____	_____
MAT 103	FUNDAMENTALS OF MATHEMATICS I (Prerequisite for MAT 104, EEU 209)	3	_____	_____
PSY 11	GENERAL PSYCHOLOGY (Prerequisite for PSY 110 and EEU 215)	3	_____	_____
FYS 100	FIRST YEAR SEMINAR	3	_____	_____
SPU 201	COGNITIVE DEVELOPMENT OF DIVERSE LEARNERS IN A STANDARDS ALIGNED SYSTEM (Prerequisite for SPU 204 and SPU 316)	3	_____	_____
	TOTAL	15		

Second Semester

Course No.		S.H.	Scheduled	Grade
Elective	Humanities Elective (Literature) (Prerequisite: CMP 100) Recommended courses: ENG 101, World Literature I ENG 105, American Literature: Experiences Course Taken: _____	3	_____	_____
MAT 104	FUNDAMENTALS OF MATHEMATICS II (Prerequisite: MAT 103; Prerequisite for EEU 209)	3	_____	_____
PSY 110	CHILD PSYCHOLOGY (Prerequisite: PSY 11; Prerequisite for EEU 215)	3	_____	_____
SPU 101	EARLY INTERVENTION AND TRANSITION FOR STUDENTS WITH DISABILITIES	3	_____	_____
ELECTIVE FROM CATEGORY D		3	_____	_____
	TOTAL	15		

Third Semester

Course No.		S.H.	Scheduled	Grade
Elective	Natural Science and Math Elective (Biological Science/Lab) (Prerequisite for EEU 205) Recommended course: BIO 10/11, Introduction to Biology Lecture and Lab Course Taken: _____	3	_____	_____
XXX	ELECTIVE	3	_____	_____
SPU 200	READING, WRITING, AND TEACHING UNIFIED ENGLISH BRAILLE (Prerequisite for SPU 221 and SPU 300)	3	_____	_____
SPU 202	ORIENTATION AND MOBILITY FOR TEACHERS OF STUDENTS WITH VISUAL IMPAIRMENTS, INCLUDING DEAFBLINDNESS	3	_____	_____
COM 10	FUNDAMENTALS OF ORAL COMMUNICATIONS	3	_____	_____
	TOTAL	15		

Fourth Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
SPU 204	ANATOMY OF THE EYE AND RELATED ASSESSMENT OF STUDENTS WITH VISUAL IMPAIRMENTS (Prerequisite: SPU 201, Prerequisite for SPU 330)	3	_____	_____
SPU 221	ASSESSMENT FOR STUDENTS WITH VISUAL IMPAIRMENTS (Prerequisite: SPU 200)	3	_____	_____
SPU 300	READING, WRITING, AND TEACHING UNIFIED ENGLISH BRAILLE, NEMETH MATHEMATICS CODE, AND OTHER BRAILLE CODES (Prerequisite: SPU 200, Prerequisite for SPU 302)	3	_____	_____

Note: SPU 204, SPU 300, and SPU 221 must be taken together for the vision sequence.

TOTAL 15

Kutztown University Department of Special Education

Fifth Semester

Course No.		S.H.	Scheduled	Grade
SPU 333	ASSISTIVE TECHNOLOGY IN VI	3	_____	_____
ARU 236	THE ARTS AND PREK-4 EDUCATION	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	A.2 2nd CMP OR WRITING COURSE	3	_____	_____
	TOTAL	15		

Kutztown University Department of Special Education

Sixth Semester

Course No.		S.H.	Scheduled	Grade
*#^ SPU 330	TEACHING STUDENTS WITH LOW INCIDENCE DISABILITIES (Prerequisite: SPU 204)	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
*#LLT 321	TECHNOLOGIES FOR THE 21st CENTURY EDUCATOR	3	_____	_____
	TOTAL	15		

Seventh Semester

XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
SPU 433	CHARACTERISTICS AND ETIOLOGY OF AUTISM SPECTRUM DISORDERS	3	_____	_____
SPU 434	APPLIED BEHAVIOR ANALYSIS	3	_____	_____
SPU 435	ASSESSMENT AND INSTRUCTIONAL INTERVENTIONS FOR INDIVIDUALS WITH AUTISM SPECTRUM DISORDERS	3	_____	_____
	TOTAL	15		

Eighth Semester

Course No.		S.H.	Scheduled	Grade
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
XXX	ELECTIVE	3	_____	_____
SPU 381	INTERNSHIP IN SPECIAL EDUCATION	3/6	_____	_____
	TOTAL	15/18		

Program Number 38012
Revised fall 2018, May 2019

Minor Program:

Library Science:

Department of Library Science and Instructional Technology
18 S.H. (minimum)

Program #	UCOELIBS2
Version #	2148
Effective:	August 25, 2014
Check Sheet Reviewed:	

1. Required Courses : 6 S.H.	**GR**	**S.H.**
LIB 109 Organization of Knowledge in Libraries, Archives and Special Collections		
LIB 375 Fieldwork: School, Public, Special, Academic		
2. Elective Courses: 12 S.H.	**GR**	**S.H.**
LIB 130 Folk Literature and Storytelling		
LIB 221 Resources for Children		
LIB 222 Resources for Young Adults		
LIB 313 Cataloging and Classification of Information		
LIB 315 Selecting, Evaluating, and Utilizing Information Resources		
LIB 320 Library Administration		
LIB 330 Teaching Function of the School Librarian		
LIB 326 Computers in Libraries		
LIB 350 Reading Interests of Adults		
LIB 362 Digital Citizenship		
LIB 405 Genealogical Research		
LIB 420 Library Resources for Preschoolers and Their Families		
LIB 480 Preservation and Digitization of Archives and Special Collections		
ITC 318 Integrating Assistive Technology into the K-12 Curriculum		
ITC 321 Instructional Technology in Education		
ITC 348 Electronic Portfolios in Education		
HIS 120 Pennsylvania History		
HIS 238 Europe During the Reformation: 1500-1650 CE		
HIS 257 Introduction to Public History		
HIS 325 The Middle Ages		
HIS 368, 369 and 372 Selected Topics (when appropriate, consult with advisor)		
HIS 378 Seminar in Historical Method		
ARC 311 The Pennsylvania German Landscape		
ARC 315 Vernacular Architecture		
ARC 317 Historic Preservation Studies		
ART 320 Introduction to Material Culture Conservation		

Advisement Notes:

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

COLLEGE OF LIBERAL ARTS & SCIENCES

The mission of the College of Liberal Arts and Sciences is to prepare students to achieve their academic goals, to access and critically examine increasingly complex sources of information, to take an active role in their society and world, and to commit themselves to lifelong learning. This mission is accomplished through both curricular and co-curricular elements. The general education curriculum provides students with a foundation in the liberal arts and sciences that emphasizes the development of communication, computational, and analytical skills; of an understanding of the methods used in the natural and social sciences; and of an appreciation of the arts and humanities. The major program curriculum provides students with a depth of knowledge in a particular discipline that prepares them for their chosen careers or graduate or professional studies. Co-curricular opportunities such as internships, service learning, and international travel provide students with individualized growth experiences.

- Dr. David Beougher, Dean

Bachelor of Arts

B.A. Anthropology

B.A. English

B.A. English: Paralegal

B.A. English: Professional Writing

B.A. General Studies

B.A. Geography: Environmental

B.A. Geography: General

B.A. Geography: Globalization

B.A. Geography: Planning

B.A. German Studies: Communication and Culture

B.A. History

B.A. History: Paralegal Studies

B.A. Philosophy

B.A. Philosophy: Religious Studies

B.A. Political Science

B.A. Political Science: Paralegal Studies

B.A. Sociology

B.A. Spanish

Bachelor of Science

B.S. Biochemistry

B.S. Biology: Allied Health

B.S. Biology: Molecular/Micro/Cell

B.S. Biology: Organismal/Ecology

B.S. Biology: Pre-Med & Other Health Careers

B.S. Chemistry

B.S. Computer Science

B.S. Criminal Justice

B.S. Criminal Justice: Paralegal Studies

B.S. Environmental Science: Biology

B.S. Environmental Science: Chemistry

B.S. Environmental Science: Geography

B.S. Environmental Science: Geology

B.S. General Studies

B.S. General Studies: Professional Studies

B.S. Geology

B.S. Information Technology

B.S. Marine Science: Biology

B.S. Marine Science: Oceanography

B.S. Mathematics

B.S. Physics

B.S. Physics: Astronomy

B.S. Physics: Engineering Physics

B.S. Psychology: General

B.S. Psychology: Paralegal Studies

B.S. Public Administration

B.S. Public Administration: Paralegal Studies

B.S. Public Relations

Bachelor of Social Work

B.S.W. Social Work

Minors

Actuarial Science

Anthropology

Astronomy

Biochemistry

Bioethics

Biology

Case Management

Chemistry

Computer Science

Criminal Justice

Environmental Geography

Forensic Studies

Game Development

Geography

Geology

German Communication and Culture

History

Homeland Security

Information Technology

Literature

Marine Science

Mathematics

Pennsylvania German Studies

Philosophy

Physics

Planning Geography

Political Science

Professional Writing

Psychology

Public Administration

Social Work

Sociology

Spanish

Spanish for Modern Business

Web Development

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASANT	
EFFECTIVE DATE	# ANTHROPOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF ARTS*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
ANT 10: CULTURAL ANTHROPOLOGY	3	
ANT 20: PHYSICAL ANTHROPOLOGY	3	
ANT 30: INTRO TO ARCHAEOLOGY	3	
ANT 40: LANGUAGE AND CULTURE	3	
ANT 201: ARCHAEOL. THEORY & TECHNIQUE **OR** ANT 202: RESEARCH METHODS IN PHYS. ANTHRO	3	
ANT 320: ARCHAEOLOGY FIELD METHODS **OR** ANT 335: ETHNOGRAPHIC RESEARCH METHODS	3	
ANT 360: HISTORY AND THEORY OF ANTHROPOLOGY	3	
ANT 380: SENIOR SEMINAR	3	
TOTAL CREDITS 24		

Area Studies *SELECT ANY 2 COURSES FROM ANT 100 THROUGH ANT 199*

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

Topics in Anthropology *SELECT ANY 3 COURSES FROM ANT 200 THROUGH ANT 399 OR ANT 880 THROUGH 899*

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 9		

MODERN LANGUAGE SECOND SEMESTER INTERMEDIATE LEVEL

COURSE	CR	GRADE
	3	
TOTAL CREDITS 3		

Free Electives

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

NOTE:

1. INTERMEDIATE SECOND SEMESTER COURSES WOULD INCLUDE SPA 104, GER 104, FRE 104, CHI 104; THERE ARE PRE-REQUISITES FOR ALL THESE COURSES.

2. ANTHROPOLOGY COURSES MAY NOT BE USED FOR GEN ED REQUIREMENTS.

3. ANT 201, 202, 320, AND 335 CANNOT BE USED FOR TOPICS COURSES IF USED IN REQUIRED COURSES.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		PASSED PORTFOLIO	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Anthropology Major
8-Semester Plan for Incoming Freshman

FIRST YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT 010	Cultural Anthropology	3	ANT 030	Intro to Archaeology	3
ANT 020	Physical Anthropology	3	ANT ?	Anthropology Elective	3
FYS 100	First Year Seminar	3	GenEd C1	Scientific Inquiry (e.g., BIO 10, GEL 20)	3
GenEd A1	100-level Composition (e.g., CMP 100, ENG 23)	3	GenEd D	e.g., ENG 120, MUS 20, PHI 30	3
MLS 101*	Modern Language I (also fulfills GenEd B)	3	MLS 102*	Modern Language II (also fulfills GenEd B)	3
Total		15	***Total***		15
SECOND YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT 40	Language and Culture	3	ANT ?	Anthropology Elective	3
ANT 201 or 202	Lab Course	3	ANT Major	Free Elective	3
ANT Major	Free Elective	3	GenEd A4	Any course that fulfills GenEd A2 or A3	3
GenEd A2	200-level Composition (e.g., CMP 200)	3	GenEd C2	Quantitative Reasoning (e.g., MAT 17)	3
MLS 103*	Modern Language III (also fulfills GenEd A3)	3	MLS 104	Modern Language IV	3
Total		15	***Total***		15
THIRD YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT ?	Anthropology Elective	3	ANT 320^ or 335	Fieldwork Course	3
ANT ?	Anthropology Elective	3	ANT ?	Anthropology Elective	3
ANT Major	Free Elective	3	ANT Major	Free Elective	3
GenEd C3	Any course that fulfills GenEd C1 or C2	3	ANT Major	Free Elective	3
GenEd D	e.g., ENG 120, MUS 20, PHI 30	3	GenEd B	e.g., SOC 10, ENG 101, POL 10, PSY 11	3
Total		15	***Total***		

FOURTH YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT 360	History and Theory of Anthro	3	ANT 380	Senior Seminar	3
ANT Major	Free Elective	3	ANT Major	Free Elective	3
ANT Major	Free Elective	3	ANT Major	Free Elective	3
ANT Major	Free Elective	3	ANT Major	Free Elective	3
GenEd D	e.g., ENG 120, MUS 20, PHI 30	3	ANT Major	Free Elective	3
Total		15	***Total***		15

*Students are able to test out of these courses. Once they complete MLS 104, they still earn credit for the language courses earlier in the sequence.

^ANT 320 actually occurs in the summer.

Anthropology Major
4-Semester Plan for Transfer Students with Associate's Degrees

A transfer student with an Associate's Degree and 60 credits, should be able to get through Kutztown in two years. A transfer student with an Associate's Degree does not need to complete the General Education requirements. If 42 of 60 transferred credits offset the General Education side of the checksheet, then the remaining 18 credits will count as Free Electives. When added to the courses in the plan below (which is 18 credits short on the Free Electives), the student will have enough credits to graduate after two years.

FIRST YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT 010	Cultural Anthropology	3	ANT 020	Physical Anthropology	3
ANT 040	Language and Culture	3	ANT 030	Intro to Archaeology	3
ANT ?	Anthropology Elective	3	ANT ?	Anthropology Elective	3
ANT Major	Free Elective	3	ANT ?	Anthropology Elective	3
MLS 101*	Modern Language I (counts as Free Elective)	3	MLS 102*	Modern Language II (counts as Free Elective)	3
Total		15	***Total***		15
SECOND YEAR					
Fall Semester			***Spring Semester***		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ANT 201 or202	Lab Course	3	ANT 320^ or 335	Fieldwork Course	3
ANT 360	History and Theory of Anthro	3	ANT 380	Senior Seminar	3
ANT ?	Anthropology Elective	3	ANT ?	Anthropology Elective	3
ANT Major	Free Elective	3	ANT Major	Free Elective	3
MLS 103*	Modern Language III (counts as Free Elective)	3	MLS 104	Modern Language IV	3
Total		15	***Total***		15

*Students are able to test out of these courses. Once they complete MLS 104, they still earn credit for the language courses earlier in the sequence.

^ANT 320 actually occurs in the summer.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASENG	
EFFECTIVE DATE	ENGLISH
FALL 2018	
VERSION NUMBER	BACHELOR OF ARTS
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Foundation Course

COURSE	CR	GRADE
ENG/WRI 100: READING AND WRITING IN THE PROFESSIONS	3	
TOTAL CREDITS 3		

100 Level English Electives *STYLE, DESIGN, AND GENRE*

COURSE	CR	GRADE
ENG 1XX:	3	
ENG 1XX:	3	
ENG 1XX:	3	
TOTAL CREDITS 9		

200 Level English Electives *HISTORIES & TECHNOLOGIES OF WRITING*

COURSE	CR	GRADE
ENG 2XX:	3	
ENG 2XX:	3	
ENG 2XX:	3	
TOTAL CREDITS 9		

300 Level English Electives *CULTURE AND CONTEXTS*

COURSE	CR	GRADE
ENG 3XX:	3	
ENG 3XX:	3	
ENG 3XX	3	
ENG 3XX:	3	
ENG 3XX OR ENU 4XX:	3	
TOTAL CREDITS 15		

Professionalization

COURSE	CR	GRADE
ENG/WRI 380: PROFESSIONAL SEMINAR	3	
ENG/WRI 390: INTERNSHIP	3	
TOTAL CREDITS 6		

REQUIREMENTS:

1. ENGLISH MAJORS MUST TAKE ONE THREE-CREDIT COURSE IN DIVERSE LITERATURE OR RHETORICS.

2. ENGLISH MAJORS MUST TAKE THREE THREE-CREDIT COURSES – AT LEAST ONE OF WHICH MUST BE AT THE 300 LEVEL –THAT FOCUS ON LINGUISTICALLY AND HISTORICALLY DIFFERENT LITERATURE OR RHETORIC.

CONCOMITANT COURSES

Electives/Minors

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

NOTES:

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	63		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	15		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
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3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

English Eight Semester Planner

First Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
FYS ###	Any First year Seminar course	3	CMP 2##	Any CMP 200-level Course	3
CMP 1##	Any CMP 100-level course	3		Any Speaking Course. Modern Language recommended	3
	Any Understanding Self and Others course	3	ENG 100	Reading and Writing for Professions	3
	Any Understanding Science & Tech course	3		Any Understanding Self and Others course	3
	Any Understanding and Creating Ideas course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Second Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 1##	Any ENG 100-level course	3	ENG 1##	Any ENG 100-level course	3
	Any Speaking of Writing Course. Modern Language recommended	3	ENG 1##	Any ENG 100-level course	3
	Any Understanding Science & Tech course	3	ENG 2##	Any ENG 200-level course	3
	Any Understanding Self and Others course	3		Any Understanding Science & Tech course	3
	Any Understanding and Creating Ideas course	3		Free Gen Ed Elective	3
Total		**15**			**15**

Third Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 2##	Any ENG 200-level course	3	ENG 2##	Any ENG 200-level course	3
ENG 3##	Any ENG 300-level course	3	ENG 3##	Any ENG 300-level course	3
	Free Gen Ed Elective	3	ENG 3##	Any ENG 300-level course	3
	Free Gen Ed Elective	3		Free Gen Ed Elective	3
	Any 100-level or higher elective	3		Any 100-level or higher elective	3
Total		**15**			**15**

Fourth Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 380	Professionalization Semester	3	ENG 390	English Internship	3
ENG 3##	Any ENG 300-level course	3		Free Gen Ed Elective	3
ENG 3##	Any ENG 300-level course	3		Any 100-level or higher elective	3
	Free Gen Ed Elective	3		Any 100-level or higher elective	3
	Any 100-level or higher elective	3		Any 100-level or higher elective	3
Total		**15**			**15**

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASENGPL	ENGLISH
EFFECTIVE DATE: FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER: 2188	PARALEGAL STUDIES

STUDENT: **STUDENT ID NUMBER:**

MAJOR PROGRAM

Foundation Course

COURSE	CR	GRADE
ENG/WRI 100: READING AND WRITING IN THE PROFESSIONS	3	
TOTAL CREDITS 3		

100 Level English Electives *ELECTIVES IN STYLE, DESIGN, AND GENRE*

COURSE	CR	GRADE
ENG 1XX:	3	
ENG 1XX:	3	
ENG 1XX:	3	
TOTAL CREDITS 9		

200 Level English Electives *ELECTIVES IN TECHNOLOGIES AND HISTORIES OF WRITING*

COURSE	CR	GRADE
ENG 2XX:	3	
ENG 2XX:	3	
ENG 2XX:	3	
TOTAL CREDITS 9		

300 Level English Electives *ELECTIVES IN CULTURE AND CONTEXTS*

COURSE	CR	GRADE
ENG 3XX:	3	
ENG 3XX:	3	
ENG 3XX	3	
ENG 3XX:	3	
ENG 3XX OR ENU 4XX:	3	
TOTAL CREDITS 15		

Professionalization

COURSE	CR	GRADE
ENG/WRI 380: PROFESSIONAL SEMINAR	3	
ENG/WRI 390: INTERNSHIP	3	
TOTAL CREDITS 6		

REQUIREMENTS:

1. ENGLISH MAJORS MUST TAKE ONE THREE-CREDIT COURSE IN DIVERSE LITERATURE OR RHETORICS.
2. ENGLISH MAJORS MUST TAKE THREE THREE-CREDIT COURSES – AT LEAST ONE OF WHICH MUST BE AT THE 300 LEVEL –THAT FOCUS ON LINGUISTICALLY AND HISTORICALLY DIFFERENT LITERATURE OR RHETORIC.
3. STUDENTS ARE ENCOURAGED TO TAKE A MINOR.

Required Courses

COURSE	CR	GRADE
PLG 120: INTRO TO PARALEGAL STUDIES	3	
PLG 150: TORTS & PERSONAL INJURY	3	
PLG 200: CIVIL LITIGATION	3	
PLG 215: LAW OFFICE MANAGEMENT	3	
PLG 220: CONTRACT LAW & BUSINESS ORGANIZATION	3	
PLG 245: LEGAL RESEARCH & WRITING	3	
TOTAL CREDITS 18		

Electives *NON-THREE CREDIT PLG COURSES MUST BE TAKEN TOGETHER IN THE SAME SEMESTER TO TOTAL THREE CREDITS*

COURSE	CR	GRADE
PLG 125: WORKER'S COMP. PRACTICE	2	
PLG 130: SOCIAL SECURITY DIABILITY PRACTICE	2	
PLG 135: INTERVIEWING FOR PARALEGALS	1	
PLG 230: ESTATES AND TRUSTS	3	
PLG 235: FAMILY LAW	3	
PLG 240: BANKRUPTCY LAW	3	
PLG 250: LEGAL INTERNSHIP	3	
PLG 255: LEGAL WRITING	3	
TOTAL CREDITS 3		

Free Electives

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 15		

NOTES:

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
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FREE ELECTIVES	15		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

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CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

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TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

English Paralegal Eight Semester Planner

First Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
FYS ###	Any First year Seminar course	3	CMP 2##	Any CMP 200-level Course	3
CMP 1##	Any CMP 100-level course	3		Any Speaking Course. Modern Language recommended	3
	Any Understanding Self and Others course	3	ENG 100	Reading and Writing for Professions	3
	Any Understanding Science & Tech course	3		Any Understanding Self and Others course	3
	Any Understanding and Creating Ideas course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Second Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 1##	Any ENG 100-level course	3	ENG 1##	Any ENG 100-level course	3
	Any Speaking of Writing Course. Modern Language recommended	3	ENG 1##	Any ENG 100-level course	3
	Any Understanding Science & Tech course	3	ENG 2##	Any ENG 200-level course	3
	Any Understanding Self and Others course	3		Any Understanding Science & Tech course	3
	Any Understanding and Creating Ideas course	3		Free Gen Ed Elective	3
Total		**15**			**15**

Third Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 2##	Any ENG 200-level course	3	ENG 2##	Any ENG 200-level course	3
ENG 3##	Any ENG 300-level course	3	ENG 3##	Any ENG 300-level course	3
ENG 3##	Any ENG 300-level course	3	PLG 200	Civil Litigation	3
PLG 120	Intro to Paralegal Studies	3	PLG 215	Law Office Management	3
PLG 150	Torts and Personal Injury	3	PLG 220	Contract Law and Business Organization	3
Total		**15**			**15**

Fourth Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
ENG 380	Professionalization Semester	3	ENG 390	English Internship	3
ENG 3##	Any ENG 300-level course	3		Free Gen Ed Elective	3
ENG 3##	Any ENG 300-level course	3		Free Gen Ed Elective	3
PLG 245	Legal Research & Writing	3		Free Gen Ed Elective	3
PLG###	Any PLG Elective	3		Free Gen Ed Elective	3
Total		**15**			**15**

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASENGPW	
EFFECTIVE DATE FALL 2018	# Professional Writing
VERSION NUMBER 2188	*BACHELOR OF ARTS*

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Core

COURSE		CR	GRADE
ENG/WRI 100: READING AND WRITING IN THE PROFESSIONS		3	
WRI 213: COPY EDITING: REVISION AND STYLE		3	
TOTAL CREDITS	**6**		

Foundation Courses

COURSE		CR	GRADE
WRI 108: INTRO TO CREATIVE WRITING		3	
WRI 111: JOURNALISM		3	
WRI 120: TECHNICAL WRITING AND COMMUNICATION		3	
TOTAL CREDITS	**9**		

Visual Communication *CHOOSE Two Courses*

WRI 216: WRITING FOR PUBLIC RELATIONS
WRI 226: DESKTOP PUBLISHING: WRITING & EDITING NEWSLETTERS
WRI 316: PUBLIC RELATIONS AND CORPORATE ENVIRONMENT
WRI 321: INFORMATION DESIGN: WRITING & EDITING ONLINE PUBLICATIONS
WRI 326: ADV DESKTOP PUBLISHING: WRITING & DESIGNING DOCUMENTS
WRI 333: DIGITAL RHETORIC AND WRITING
WRI 339: NEW MEDIA, STORY, CHANGE
WRI 347: ACTIVISTS WRITING MEDIA: COMPOSING DEMOCRATIC FUTURES

COURSE		CR	GRADE
		3	
		3	
TOTAL CREDITS	**6**		

Critical Reading and Analysis *CHOOSE Two Courses*

ANY ENG COURSE 200 LEVEL OR ABOVE
WRI 214: MAGAZINE WRITING
WRI 244: STORY ANALYSIS AND SCREENPLAY DEVELOPMENT
WRI 304: AMERICAN LITERARY JOURNALISM
WRI 306: ADV. MAGAZINE WRITING: COVERING A SPECIALTY
WRI 311: CREATIVE WRITING: SHORT FICTION
WRI 312: CREATIVE WRITING: POETRY
WRI 313: CREATIVE WRITING: DRAMA
WRI 314: POP MUSIC JOURNALISM
WRI 400: CREATIVE WRITING: THEORY AND PRACTICE

COURSE		CR	GRADE
		3	
		3	
TOTAL CREDITS	**6**		

WRI Electives ANY ELECTIVE WITH WRI PREFIX

COURSE		CR	GRADE
		3	
		3	
		3	
TOTAL CREDITS	**9**		

Professionalization

COURSE		CR	GRADE
ENG/WRI 380: PROFESSIONAL SEMINAR		3	
ENG/WRI 390: INTERNSHIP		3	
TOTAL CREDITS	**6**		

Electives/Minors

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**36**		

REQUIREMENTS:

1. PROFESSIONAL WRITING MAJORS MUST HAVE A 3.0 GPA OR HIGHER IN CORE AND FOUNDATION SECTIONS.
2. PROFESSIONAL WRITING MAJORS MUST TAKE AT LEAST THREE 300-LEVEL COURSES.
3. UP TO SIX ADDITIONAL CREDITS FOR THE WRI 390 INTERNSHIP MAY BE APPLIED AS FREE ELECTIVES WITH PERMISSION OF DEPARTMENT CHAIR.

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Professional Writing Eight Semester Planner

First Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
FYS ###	Any First year Seminar course	3	CMP 2##	Any CMP 200-level Course	3
CMP 1##	Any CMP 100-level course	3		Any Speaking Course. Modern Language recommended	3
	Any Understanding Self and Others course	3	WRI 100	Reading and Writing for Professions	3
	Any Understanding Science & Tech course	3		Any Understanding Self and Others course	3
	Any Understanding and Creating Ideas course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Second Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
WRI 108	Creative Writing	3	WRI 220	Technical Writing	3
WRI 111	Introduction to Journalism	3	WRI ###	Any Visual Communication course	3
	Any Speaking of Writing Course. Modern Language recommended	3	WRI ###	Any Critical Reading and Analysis course	3
	Any Understanding Science & Tech course	3		Any Understanding Science & Tech course	3
	Any Understanding Self and Others course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Third Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
WRI 213	Copy and Line Editing	3		Any WRI Elective	3
WRI ###	Any Visual Communication course	3		Any WRI Elective	3
WRI ###	Any Critical Reading and Analysis course	3		Free Gen Ed Elective	3
	Free Gen Ed Elective	3		Any 100-level or higher elective	3
	Any 100-level or higher elective	3		Any 100-level or higher elective	3
Total		**15**			**15**

Fourth Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
WRI 380	Professionalization Semester	3	WRI 390	English Internship	3
	Any WRI Elective	3		Free Gen Ed Elective	3-9
	Free Gen Ed Elective	3		Free Gen Ed Elective	3
	Any 100-level or higher elective	3		Free Gen Ed Elective	3
	Any 100-level or higher elective	3		Any 100-level or higher elective	3
Total		**15**			**15**

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
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4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

STUDENT: STUDENT ID NUMBER:

COLLEGE OF LIBERAL ARTS & SCIENCES • BA • GENERAL STUDIES

Program Code: ULASGENA **Effective Date: 08/27/2018**

BA GENERAL STUDIES

120 S.H. (minimum)

B. MAJOR PROGRAM 42 S.H.

I. Concentration 21 S.H. */**	Gr.	S.H.

II. Program Courses 21 S.H. **	Gr.	S.H.

* Concentration must be in a single discipline. At least 12 of the 21 S.H must be 200-level or above. At least 3 S.H. must be a culminating experience consisting of an internship, independent study, or senior seminar in lieu of a comprehensive exam.

** Defined by prospectus approved by the General Studies Committee.

See latest edition of *College of Liberal Arts and Sciences Undergraduate Advisement Handbook* for course exclusions and requirements for degree completion.

A. Gen. Ed. 42 S.H.
B. Major Program 42 S.H.
   I. 21 S.H.
   II. 21 S.H.
C. Electives 36 S.H.

C. Electives 36 S.H.	Gr.	S.H.

Check Sheet Reviewed ____ 0000

PROGRAM CODE
ULASGEOEN
EFFECTIVE DATE
08/26/2019
VERSION NUMBER
2198

COLLEGE OF LIBERAL ARTS AND SCIENCES

GEOGRAPHY

BACHELOR OF ARTS

ENVIRONMENTAL TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Core Requirements	Cr	Gr
a. GEG 010 Elements of Physical Geography		
b. GEG 020 Elements of Cultural Geography		
c. GEG 274 Introduction to GIS		
d. GEG 330 Cartography		
e. GEG 375 Research Methods in Geography[1]		
f. GEG 380 Sr. Seminar in Geography[2]		
TOTAL CREDITS 18		

Notes:

1. A statistics course is prerequisite to GEG 375 Research Methods in Geography. Take as MAT 140 or 150, or PSY 200. MAT 105 is prerequisite to MAT 140. PSY 200 requires MAT 17 or higher (excluding MAT 040 and 045) and PSY 011 as prerequisites. Prerequisites may be taken in General Education or as electives.
2. Required courses a through e must be completed prior to enrolling in GEG 380 Senior Seminar in Geography.
3. GEG 394 Internship in Geography requires a 2.5 GPA or better in Geography.

FREE ELECTIVES

Course	Cr	Gr
a.		
b.		
c.		
d.		
e.		
f.		
g.		
h.		
i.		
j.		
k.		
l.		
TOTAL CREDITS 36		

ENVIRONMENTAL TRACK

Choose Five Courses and GEG 394	Cr	Gr
a. GEG 204 Meteorology and Lab		
b. GEG 210 Environmental Conservation		
c. GEG 212 The Geography of Natural Hazards		
d. GEG 304 Weather Analysis and Lab		
e. GEG 322 Climatology		
f. GEG 323 Global Warming and the Science of Climate Change		
g. GEG 333 Advanced GIS		
g. GEG 341 Environmental Planning		
h. GEG 347 Remote Sensing of the Environment and Lab		
i. GEG 394 Internship in Geography[3] (required)		
TOTAL CREDITS 18		

CATEGORY REQUIREMENTS

One Course From Two of the Following Categories	Cr	Gr
a. CULTURAL or REGIONAL GEOGRAPHY		
GEG 101 World Regional Geography		
GEG 110 The Geography of the United States and Canada		
GEG 112 The Geography of Pennsylvania		
GEG 120 The Geography of Sub-Saharan Africa		
GEG 140 The Geography of Europe		
GEG 210 Environmental Conservation		
GEG 225 Spaces of Globalization		
GEG 338 The Geography of Population		
b. ECONOMIC GEOGRAPHY		
GEG 220 Economic Geography		
GEG 223 Introduction to Transportation Geography		
GEG 310 Urban Geography		
c. TECHNIQUES IN GEOGRAPHY		
GEG 230 Map Reading and Interpretation		
GEG 343 Land Use Planning		
TOTAL CREDITS 6		

Check sheet revised: 10/06/2018

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		SENIOR SEMINAR	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES CREDITS	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

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7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four-Year Program Plan

ULASGEOEN: BA Geography - Environmental Track Version 2188 Fall 2018

FIRST YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
CMP 1xx	Composition 1/2	3	CMP 2xx	Composition 2/2	3
FYS	First Year Seminar	3	GEG	Category Requirement 1/2	3
GEG 010	Elements of Physical Geography	3	GEG	Track Course 1/5	3
GEG 020	Elements of Cultural Geography	3		Free Elective 2/12	3
	Free Elective 1/12	3		Free Elective 3/12	3
Total		***15***	***Total***		***15***

SECOND YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GEG	Track Course 2/5	3	GEG	Track Course 3/5	3
GEG 330	Cartography	3	PSY 011	General Psychology GE B 1/3	3
MAT 017	Intro. to Math (or above) GE C2	3		Speaking Course GE A3	3
	Scientific Inquiry GE C1	3		Free Elective 5/12	3
	Free Elective 4/12	3		Free Elective 6/12	3
Total		***15***	***Total***		***15***

THIRD YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GEG 274	Introduction to GIS	3	GEG	Track Course 4/5	3
MAT 140/PSY 200	Statistics GE C3	3	GEG	Track Course 5/5	3
	CMP or Speaking Course GE A4	3		Understanding Self & Others GE B 2/3	3
	Understanding Ideas GE D 1/3	3		Understanding Ideas GE D 2/3	3
	Free Elective 7/12	3		Free Electives 8/12	3
Total		***15***	***Total***		***15***

FOURTH YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GEG	Category Requirement 2/2	3	GEG 380	Sr. Seminar in Geography	3
GEG 375	*Research Methods	3	GEG 394	Internship in Geography	3
	Understanding Self & Others GE B 3/3	3		Free Elective 10/12	3
	Understanding Ideas GE D 3/3	3		Free Elective 11/12	3
	Free Elective 9/12	3		Free Elective 12/12	3
Total		***15***	***Total***		***15***

General Education Effective Fall 2018 (2188)		**Credits**
FYS	**First Year Seminar**	3
A	**Communicating With and About the World**	
1	CMP 1xx	3
2	CMP 2xx	3
3	Speaking	3
4	Additional A2 or A3 or approved course	3
B	**Understanding Self and Others**	
1		3
2		3
3		3
C	**Understanding Science and Technology**	
1	Scientific Inquiry	3
2	Quantitative Reasoning	3
3	Additional C1 or C2 course	3
D	**Understanding and Creating Ideas**	
1		3
2		3
3		3
	Total General Education Credits	**42**

Statistics Requirement:

*Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.

PROGRAM CODE
ULASGEOGE
EFFECTIVE DATE
08/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

GEOGRAPHY

BACHELOR OF ARTS

GENERAL TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Core Requirements	Cr	Gr
a. GEG 010 Elements of Physical Geography		
b. GEG 020 Elements of Cultural Geography		
c. GEG 274 Introduction to GIS		
d. GEG 330 Cartography		
e. GEG 375 Research Methods in Geography[1]		
f. GEG 380 Sr. Seminar in Geography[2]		
TOTAL CREDITS 18		

Notes:

1. A statistics course is prerequisite to GEG 375 Research Methods in Geography. Take as MAT 140 or 150, or PSY 200. MAT 105 is prerequisite to MAT 140. PSY 200 requires MAT 17 or higher (excluding MAT 040 and 045) and PSY 011 as prerequisites. Prerequisites may be taken in General Education or as electives.
2. Required courses a through e must be completed prior to enrolling in GEG 380 Senior Seminar in Geography.

FREE ELECTIVES

Course	Cr	Gr
a.		
b.		
c.		
d.		
e.		
f.		
g.		
h.		
i.		
j.		
k.		
l.		
TOTAL CREDITS 36		

Check sheet revised: 10/05/2018

GENERAL TRACK

Choose Six GEG Courses	Cr	Gr
a. GEG		
b. GEG		
c. GEG		
d. GEG		
e. GEG		
f. GEG		
TOTAL CREDITS 18		

CATEGORY REQUIREMENTS

One Course From 2 of the Following Categories	Cr	Gr
a. CULTURAL or REGIONAL GEOGRAPHY		
GEG 101 World Regional Geography		
GEG 110 The Geography of the United States and Canada		
GEG 112 The Geography of Pennsylvania		
GEG 120 The Geography of Sub-Saharan Africa		
GEG 140 The Geography of Europe		
GEG 210 Environmental Conservation		
GEG 225 Spaces of Globalization		
GEG 338 The Geography of Population		
b. ECONOMIC GEOGRAPHY		
GEG 220 Economic Geography		
GEG 223 Introduction to Transportation Geography		
GEG 310 Urban Geography		
c. PHYSICAL GEOGRAPHY		
GEG 040 Descriptive Oceanography		
GEG 204 Meteorology and Lab		
GEG 212 The Geography of Natural Hazards		
GEG 304 Weather Analysis and Lab		
GEG 322 Climatology		
GEG 323 Global Warming and the Science of Climate Change		
TOTAL CREDITS 6		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		SENIOR SEMINAR	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES CREDITS	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

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5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four-Year Program Plan

ULASGEOGE: BA Geography - General Track Version 2188 Fall 2018

FIRST YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
CMP 1xx	Composition 1/2	3	CMP 2xx	Composition 2/2	3
FYS	First Year Seminar	3	GEG	Category Requirement 1/2	3
GEG 010	Elements of Physical Geography	3	GEG	Track Course 1/6	3
GEG 020	Elements of Cultural Geography	3		Free Elective 2/12	3
	Free Elective 1/12	3		Free Elective 3/12	3
Total		***15***	***Total***		***15***

SECOND YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Track Course 2/6	3	GEG	Track Course 3/6	3
GEG 330	Cartography	3	PSY 011	General Psychology GE B 1/3	3
MAT 017	Intro. to Math (or above) GE C2	3		Speaking Course GE A3	3
	Scientific Inquiry GE C1	3		Free Elective 5/12	3
	Free Elective 4/12	3		Free Elective 6/12	3
Total		***15***	***Total***		***15***

THIRD YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG 274	Introduction to GIS	3	GEG	Track Course 4/6	3
MAT 140/PSY 200	Statistics GE C3	3	GEG	Track Course 5/6	3
	CMP or Speaking Course GE A4	3		Understanding Self & Others GE B 2/3	3
	Understanding Ideas GE D 1/3	3		Understanding Ideas GE D 2/3	3
	Free Elective 7/12	3		Free Electives 8/12	3
Total		***15***	***Total***		***15***

FOURTH YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Category Requirement 2/2	3	GEG	Track Course 6/6	3
GEG 375	*Research Methods	3	GEG 380	Sr. Seminar in Geography	3
	Understanding Self & Others GE B 3/3	3		Free Elective 10/12	3
	Understanding Ideas GE D 3/3	3		Free Elective 11/12	3
	Free Elective 9/12	3		Free Elective 12/12	3
Total		***15***	***Total***		***15***

General Education Effective Fall 2018 (2188)		**Credits**
FYS	**First Year Seminar**	3
A	**Communicating With and About the World**	
1	CMP 1xx	3
2	CMP 2xx	3
3	Speaking	3
4	Additional A2 or A3 or approved course	3
B	**Understanding Self and Others**	
1		3
2		3
3		3
C	**Understanding Science and Technology**	
1	Scientific Inquiry	3
2	Quantitative Reasoning	3
3	Additional C1 or C2 course	3
D	**Understanding and Creating Ideas**	
1		3
2		3
3		3
	Total General Education Credits	**42**

Statistics Requirement:

*Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.

PROGRAM CODE
ULASGEOGL
EFFECTIVE DATE
08/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

GEOGRAPHY

BACHELOR OF ARTS

GLOBALIZATION TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Core Requirements	Cr	Gr
a. GEG 010 Elements of Physical Geography		
b. GEG 020 Elements of Cultural Geography		
c. GEG 274 Introduction to GIS		
d. GEG 330 Cartography		
e. GEG 375 Research Methods in Geography[1]		
f. GEG 380 Sr. Seminar in Geography[2]		
TOTAL CREDITS 18		

Notes:

1. A statistics course is prerequisite to GEG 375 Research Methods in Geography. Take as MAT 140 or 150, or PSY 200. MAT 105 is prerequisite to MAT 140. PSY 200 requires MAT 17 or higher (excluding MAT 040 and 045) and PSY 011 as prerequisites. Prerequisites may be taken in General Education or as electives.
2. Required courses a through e must be completed prior to enrolling in GEG 380 Senior Seminar in Geography.
3. GEG 394 Internship in Geography requires a 2.5 GPA or better in Geography.

GLOBALIZATION TRACK

Required Courses	Cr	Gr
a. GEG 101 World Regional Geography	0	
b. GEG 220 Economic Geography		
c. GEG 225 Spaces of Globalization		
d. GEG 310 Urban Geography		
e. GEG 335 Political Geography		
f. GEG 338 Population Geography		
Choose Two Courses From the Following List▲		
i GEG 120 The Geography of Sub-Saharan Africa		
ii GEG 140 The Geography of Europe		
iii GEG 394 Internship in Geography[3]		
TOTAL CREDITS 24		

▲ A preapproved study abroad experience may count in this section.

FREE ELECTIVES

Course	Cr	Gr
a.		
b.		
c.		
d.		
e.		
f.		
g.		
h.		
i.		
j.		
k.		
l.		
TOTAL CREDITS 36		

Check sheet revised: 10/06/2018

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		SENIOR SEMINAR	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES CREDITS	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four-Year Program Plan

ULASGEOGL: BA Geography - Globalization Track Version 2188 Fall 2018

FIRST YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
CMP 1xx	Composition 1/2	3	CMP 2xx	Composition 2/2	3
FYS	First Year Seminar	3	GEG	Track Course 1/8	3
GEG 010	Elements of Physical Geography	3	GEG	Track Course 2/8	3
GEG 020	Elements of Cultural Geography	3		Free Elective 2/12	3
	Free Elective 1/12	3		Free Elective 3/12	3
Total		***15***	***Total***		***15***

SECOND YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Track Course 3/8	3	GEG	Track Course 4/8	3
GEG 330	Cartography	3	PSY 011	General Psychology GE B 1/3	3
MAT 017	Intro. to Math (or above) GE C2	3		Speaking Course GE A3	3
	Scientific Inquiry GE C1	3		Free Elective 5/12	3
	Free Elective 4/12	3		Free Elective 6/12	3
Total		***15***	***Total***		***15***

THIRD YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG 274	Introduction to GIS	3	GEG	Track Course 5/8	3
MAT 140/PSY 200	Statistics GE C3	3	GEG	Track Course 6/8	3
	CMP or Speaking Course GE A4	3		Understanding Self & Others GE B 2/3	3
	Understanding Ideas GE D 1/3	3		Understanding Ideas GE D 2/3	3
	Free Elective 7/12	3		Free Electives 8/12	3
Total		***15***	***Total***		***15***

FOURTH YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Track Course 7/8	3	GEG	Track Course 8/8	3
GEG 375	*Research Methods	3	GEG 380	Sr. Seminar in Geography	3
	Understanding Self & Others GE B 3/3	3		Free Elective 10/12	3
	Understanding Ideas GE D 3/3	3		Free Elective 11/12	3
	Free Elective 9/12	3		Free Elective 12/12	3
Total		***15***	***Total***		***15***

General Education Effective Fall 2018 (2188)		**Credits**
FYS	**First Year Seminar**	3
A	**Communicating With and About the World**	
1	CMP 1xx	3
2	CMP 2xx	3
3	Speaking	3
4	Additional A2 or A3 or approved course	3
B	**Understanding Self and Others**	
1		3
2		3
3		3
C	**Understanding Science and Technology**	
1	Scientific Inquiry	3
2	Quantitative Reasoning	3
3	Additional C1 or C2 course	3
D	**Understanding and Creating Ideas**	
1		3
2		3
3		3
	Total General Education Credits	**42**

Statistics Requirement:

*Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.

PROGRAM CODE
ULASGEOPL
EFFECTIVE DATE
08/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

GEOGRAPHY

BACHELOR OF ARTS

PLANNING TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Core Requirements	Cr	Gr
a. GEG 010 Elements of Physical Geography		
b. GEG 020 Elements of Cultural Geography		
c. GEG 274 Introduction to GIS		
d. GEG 330 Cartography		
e. GEG 375 Research Methods in Geography[1]		
f. GEG 380 Sr. Seminar in Geography[2]		
TOTAL CREDITS 18		

Notes:

1. A statistics course is prerequisite to GEG 375 Research Methods in Geography. Take as MAT 140 or 150, or PSY 200. MAT 105 is prerequisite to MAT 140. PSY 200 requires MAT 17 or higher (excluding MAT 040 and 045) and PSY 011 as prerequisites. Prerequisites may be taken in General Education or as electives.
2. Required courses a through e must be completed prior to enrolling in GEG 380 Senior Seminar in Geography.
3. GEG 394 Internship in Geography requires a 2.5 GPA or better in Geography.

*FREE ELECTIVES**

Course	Cr	Gr
a.		
b.		
c.		
d.		
e.		
f.		
g.		
h.		
i.		
j.		
k.		
l.		
TOTAL CREDITS 36		

***A minor in Political Science or Public Administration is highly recommended.**

PLANNING TRACK

Choose Two Courses in Addition to Required Courses	Cr	Gr
a. GEG 212 The Geography of Natural Hazards		
b. GEG 220 Economic Geography		
c. GEG 335 Political Geography		
d. GEG 341 Environmental Planning		
e. INT 111 International Environmental Issues		
f. **GEG 223 Intro. to Transportation Geography (required)**		
g. GEG 310 Urban Geography (required)		
h. GEG 343 Land Use Planning (required)		
i. GEG 394 Internship in Geography[3] (required)		
TOTAL CREDITS 18		

CATEGORY REQUIREMENTS

One Course From Two of the Following Categories	Cr	Gr
a. CULTURAL GEOGRAPHY		
GEG 210 Environmental Conservation		
GEG 225 Spaces of Globalization		
GEG 338 The Geography of Population		
b. PHYSICAL GEOGRAPHY		
GEG 220 Economic Geography		
GEG 223 Introduction to Transportation Geography		
GEG 310 Urban Geography		
c. REGIONAL GEOGRAPHY		
GEG 101 World Regional Geography		
GEG 110 The Geography of the United States and Canada		
GEG 112 The Geography of Pennsylvania		
GEG 120 The Geography of Sub-Saharan Africa		
GEG 140 The Geography of Europe		
TOTAL CREDITS 6		

Check sheet revised: 10/06/2018

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		SENIOR SEMINAR	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES CREDITS	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four-Year Program Plan

ULASGEOPL: BA Geography - Planning Track Version 2188 Fall 2018

FIRST YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
CMP 1xx	Composition 1/2	3	CMP 2xx	Composition 2/2	3
FYS	First Year Seminar	3	GEG	Category Requirement 1/2	3
GEG 010	Elements of Physical Geography	3	GEG	Track Course 1/5	3
GEG 020	Elements of Cultural Geography	3		Free Elective 2/12	3
	Free Elective 1/12	3		Free Elective 3/12	3
Total		***15***	***Total***		***15***

SECOND YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Track Course 2/5	3	GEG	Track Course 3/5	3
GEG 330	Cartography	3	PSY 011	General Psychology GE B 1/3	3
MAT 017	Intro. to Math (or above) GE C2	3		Speaking Course GE A3	3
	Scientific Inquiry GE C1	3		Free Elective 5/12	3
	Free Elective 4/12	3		Free Elective 6/12	3
Total		***15***	***Total***		***15***

THIRD YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG 274	Introduction to GIS	3	GEG	Track Course 4/5	3
MAT 140/PSY 200	Statistics GE C3	3	GEG	Track Course 5/5	3
	CMP or Speaking Course GE A4	3		Understanding Self & Others GE B 2/3	3
	Understanding Ideas GE D 1/3	3		Understanding Ideas GE D 2/3	3
	Free Elective 7/12	3		Free Electives 8/12	3
Total		***15***	***Total***		***15***

FOURTH YEAR

Fall Semester			*Spring Semester*		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
GEG	Category Requirement 2/2	3	GEG 380	Sr. Seminar in Geography	3
GEG 375	*Research Methods	3	GEG 394	Internship in Geography	3
	Understanding Self & Others GE B 3/3	3		Free Elective 10/12	3
	Understanding Ideas GE D 3/3	3		Free Elective 11/12	3
	Free Elective 9/12	3		Free Elective 12/12	3
Total		***15***	***Total***		***15***

General Education Effective Fall 2018 (2188)		**Credits**
FYS	**First Year Seminar**	3
A	**Communicating With and About the World**	
1	CMP 1xx	3
2	CMP 2xx	3
3	Speaking	3
4	Additional A2 or A3 or approved course	3
B	**Understanding Self and Others**	
1		3
2		3
3		3
C	**Understanding Science and Technology**	
1	Scientific Inquiry	3
2	Quantitative Reasoning	3
3	Additional C1 or C2 course	3
D	**Understanding and Creating Ideas**	
1		3
2		3
3		3
	Total General Education Credits	**42**

Statistics Requirement:

*Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASGERCO	GERMAN
EFFECTIVE DATE: FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses *A GRADE OF C OR ABOVE IS REQUIRED*

COURSE	CR	GRADE
GER 211: GERMAN COMPOSITION & CONVERSATION I	3	
GER 212: GERMAN COMPOSITION & CONVERSATION II	3	
GER 380: SENIOR SEMINAR	3	
TOTAL CREDITS 9		

Elective Courses *GER 200 AND ABOVE*

COURSE	CR	GRADE
GER	3	
GER	3	
GER	3	
GER	3	
GER	3	
GER	3	
GER	3	
TOTAL CREDITS 21		

Elective Courses Cont. *GER 200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

THE FOLLOWING COURSES ARE RECOMMENDED TO MEET YOUR GENERAL EDUCATION REQUIREMENTS

COURSE	GE	GRADE
GER 103	A3	
GER 104	A4	
MLS 101 *	B	
MLS 102 *	B	

NOTE:

1. MAJORS ARE REQUIRED TO TAKE THE WRITING PROFICIENCY TEST (WPT) AND ORAL PROFICIENCY INTERVIEW (OPI) ASSESSMENTS IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR GER 380.

2. STUDENTS ARE ENCOURAGED TO WORK TOWARD THE COMPLETION OF A MINOR OR A SECOND MAJOR.

* MLS COURSES THAT CAN BE USED IN THIS CATEGORY FOR GER MAJORS INCLUDE SPA, FRE, CHI, OR PAG. GERMAN MAJORS ARE ENCOURAGED TO PURSUE STUDY IN ADDITIONAL LANGUAGE.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA German Eight Semester Planner

First Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
FYS ###	Any First year Seminar course	3	CMP 2##	Any CMP 200-level Course	3
CMP 1##	Any CMP 100-level course	3	GER 104	Intermediate German 2 (Gen. Ed. Category A.4)	3
GER 103	Intermediate German I (Gen. Ed. Category A.3)	3		Any Understanding Science & Tech course	3
	Any Understanding Science & Tech course	3		Any Understanding Self and Others course *Modern Language 101 other than German recommended	3
	Any Understanding and Creating Ideas course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Second Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GER 211	German Composition and Conversation I	3	GER 212	German Composition and Conversation II	3
	Free Elective	3	GER 2##	Any GER course above 200	3
	Any Understanding Science & Tech course	3		Free Elective *Modern Language 103 other than German recommended	3
	Any Understanding Self and Others course *Modern Language 102 other than German recommended	3		Any Understanding Self and Others course	3
	Any Understanding and Creating Ideas course	3		Free Elective	3
Total		**15**			**15**

Third Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GER 2##	Any GER course above 200	3	GER 2##	Any GER course above 200	3
GER 2##	Any GER course above 200	3	GER 2##	Any GER course above 200	3
	Any GER 2## or above; or approved related course	3		Any GER 2## or above; or approved related course	3
	Free Elective *Modern Language 104 other than German recommended	3		Free Elective	3
	Free Elective	3		Free Elective	3
Total		**15**			**15**

Fourth Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GER 380	Senior Seminar	3	GER 2##	Any GER course above 200	3
GER 2##	Any GER course above 200	3		Any GER 2## or above; or approved related course	3
	Any GER 2## or above; or approved related course	3		Free Elective	3
	Free Elective	3		Free Elective	3
	Free Elective	3		Free Elective	3
Total		**15**			**15**

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASHIS	
EFFECTIVE DATE	HISTORY
FALL 2018	
VERSION NUMBER	BACHELOR OF ARTS
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Introductory Courses

COURSE		CR	GRADE
HIS 14: HISTORY OF CIVILIZATION A		3	
HIS 15: HISTORY OF CIVILIZATION B		3	
HIS 25: US FORMATIVE YEARS AND FED. REP		3	
HIS 26: EMERGENCE OF MODERN AMERICA		3	
TOTAL CREDITS	**12**		

Research Methods

COURSE		CR	GRADE
HIS 378: SEMINAR IN HISTORICAL METHODS		3	
TOTAL CREDITS	**3**		

Depth. of Knowledge *AT LEAST 5 HIS AT 200 OR ABOVE; MUST CHOOSE 2 COURSES FROM EACH REGION OF GEOGRAPHIC DISTRIBUTION*

COURSE		CR	GRADE
HIS		3	
HIS		3	
HIS		3	
HIS		3	
HIS		3	
HIS		3	
HIS		3	
HIS		3	
TOTAL CREDITS	**24**		

Senior Seminar

COURSE		CR	GRADE
HIS 380: SENIOR SEMINAR IN HISTORY		3	
TOTAL CREDITS	**3**		

CONCOMITANT COURSES

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM*

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**36**		

Geographic Distribution

COURSE	CR	GRADE
A. UNITED STATES		
B. EUROPE		
C. ASIA / MIDDLE EAST / AFRICA / LATIN AMERICA		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA History, Effective Fall 2018 (ULASHIS)

- Requirements:
  - 2 History Courses each in: US, Europe, and Asia/Middle East/Latin America, respectively.
  - HIS378 Sophomore seminar in Historical Methods. HIS380 Senior Seminar.
  - A total of 7 History courses at the 200+ Level (Includes HIS378 and HIS380.
- Recommended:
  - Geography 110 or 101 for first two semesters.
  - CMP201 Composition for Social Sciences

First Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS14	3	HIS15	3
HIS25	3	HIS26	3
GE A CMP100	3	GE A CMP201 (or CMP200+)	3
FYS	3	GE B	3
GE B (GEG110)	3	Free Elective	3

Second Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS Elective	3	HIS200+	3
HIS378 Methods Seminar	3	Free Elective	3
GE A (Speaking)	3	Free Elective	3
GE D	3	GE B	3
Free Elective (Area E)	3	GE D	3

Third Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS 200+	3	HIS200+	3
HIS Elective	3	HIS Elective	3
GE C	3	GE C	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3

Fourth Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS200+	3	HIS380 Senior Seminar	3
GE D	3	HIS200+	3
GE C	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASHISPL	
EFFECTIVE DATE	HISTORY
FALL 2018	
VERSION NUMBER	*BACHELOR OF ARTS*
2188	

PARALEGAL STUDIES

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Introductory Courses

COURSE	CR	GRADE
HIS 14: HISTORY OF CIVILIZATION A	3	
HIS 15: HISTORY OF CIVILIZATION B	3	
HIS 25: US FORMATIVE YEARS AND FED. REP	3	
HIS 26: EMERGENCE OF MODERN AMERICA	3	
TOTAL CREDITS 12		

Research Methods

COURSE	CR	GRADE
HIS 378: SEMINAR IN HISTORICAL METHODS	3	
TOTAL CREDITS 3		

Depth. of Knowledge

AT LEAST 5 HIS AT 200 OR ABOVE; MUST CHOOSE 2 COURSES FROM EACH REGION OF GEOGRAPHIC DISTRIBUTION

COURSE	CR	GRADE
HIS	3	
HIS	3	
HIS	3	
HIS	3	
HIS	3	
HIS	3	
HIS	3	
HIS	3	
TOTAL CREDITS 24		

Senior Seminar

COURSE	CR	GRADE
HIS 380: SENIOR SEMINAR IN HISTORY	3	
TOTAL CREDITS 3		

CONCOMITANT COURSES

Paralegal Studies

NON-THREE (3) CREDIT PLG COURSES MUST BE TAKEN TOGETHER IN THE SAME SEMESTER TO TOTAL THREE CREDITS

COURSE	CR	GRADE
PLG 120: INTRODUCTION TO PARALEGAL STUDIES	3	
PLG 150: TORTS AND PERSONAL INJURY	3	
PLG 200: CIVIL LITIGATION & PROCEDURE	3	
PLG 215 LAW OFFICE MANAGEMENT	3	
PLG 220: CONTRACT LAW AND BUSINESS ORGANIZATIONS	3	
PLG 245: LEGAL RESEARCH & WRITING	3	
SELECT ONE COURSE: PLG 125: WORKERS' COMP. PRACTICE (2) PLG 130: SOCIAL SECURITY DISABILITY PRACTIVE (2) PLG 135: INTERVIEWING FOR PARALEGALS (1) PLG 228: IMMIGRATION LAW FOR PARALEGALS PLG 230 ESTATES AND TRUSTS PLG 235: FAMILY LAW PLG 240: BANKRUPTCY LAW PLG 250: LEGAL INTERNSHIP PLG 255: LEGAL WRITING	3	
TOTAL CREDITS 21		

Elective Courses

ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 15		

Geographic Distribution

COURSE	CR	GRADE
A. UNITED STATES		
B. EUROPE		
C. ASIA / MIDDLE EAST / AFRICA / LATIN AMERICA		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	63		MINIMUM QPA OVERALL	2.0	
ELECTIVES	15		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA History Paralegal, Effective Fall 2018 (ULASHISPL)

- Requirements:
  - 2 History Courses each in: US, Europe, and Asia/Middle East/Latin America, respectively.
  - HIS378 Sophomore seminar in Historical Methods. HIS380 Senior Seminar.
  - A total of 7 History courses at the 200+ Level (Includes HIS378 and HIS380.
- Recommended:
  - Geography 110 or 101 for first two semesters.
  - CMP201 Composition for Social Sciences
- Paralegal Program is managed by Diane Tallarita LCCC.

First Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS14	3	HIS15	3
HIS25	3	HIS26	3
GE A CMP100	3	GE A CMP200 (or CMP200+)	3
FYS	3	GE B	3
GE B (GEG 110)	3	PLG120	3

Second Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS Elective	3	HIS200+	3
HIS378 Sophomore Seminar	3	PLG200	3
GE A (Speaking)	3	Free Elective	3
GE D	3	GE B	3
PLG150	3	GE D	3

Third Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS 200+	3	HIS200+	3
HIS Elective	3	HIS200+	3
GE C	3	GE C	3
PLG215	3	PLG245	3
PLG220	3	PLG Internship or Elective	3

Fourth Year			
Fall Semester		**Spring Semester**	
Course	**Credits**	**Course**	**Credits**
HIS 300+	3	HIS380 Senior Seminar	3
GE D	3	HIS300+	3
GE C	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPHI	
EFFECTIVE DATE	PHILOSOPHY
FALL 2018	
VERSION NUMBER	*BACHELOR OF ARTS*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
PHI 140: SYMBOLIC LOGIC	3	
PHI 380: SR. SEM IN PHILOSOPHY	3	
TOTAL CREDITS 6		

Restricted Electives I

SELECT THREE COURSES	CR	GRADE
PHI 105: MEDIEVAL PHILOSOPHY	3	
PHI 116: ANCIENT PHILOSOPHY	3	
PHI 121: MODERN PHILOSOPHY	3	
PHI 136: KANT TO HEGEL	3	
TOTAL CREDITS 9		

Open Electives

CHOOSE SIX COURSES: TWO COURSES MUST BE 100+ LEVEL, THREE COURSES MUST BE 300+ LEVEL	CR	GRADE
PHI 15: CRITICAL THINKING		
PHI 20: INTRODUCTION TO LOGIC		
PHI 30: INTRODUCTION TO PHILOSOPHY		
PHI 40: INTRODUCTION TO ETHICS		
PHI 60: INTRODUCTION TO RELIGIOUS STUDIES		
PHI 80: BUSINESS ETHICS		
PHI 105: MEDIEVAL PHILOSOPHY		
PHI 110: COMP. STUDY OF RELIGION		
PHI 113: ENVIRONMENTAL PHILOSOPHY		
PHI 116: ANCIENT PHILOSOPHY		
PHI 121: MODERN PHILOSOPHY		
PHI 125: ASPECTS OF DEATH AND DYING		
PHI 130: ASIAN PHILOSOPHY		
PHI 136: KANT TO HEGEL		
PHI 150: HISTORY OF SCIENTIFIC IDEAS		
PHI 160: PHILOSOPHY OF SPORT		
PHI 170: PHILOSOPHY OF RELIGION		
PHI 202: HONORS: TWO PHILOSOPHERS		
PHI 210: MEDICAL ETHICS		
PHI 215: PERSONS, LIFE, AND DEATH		
PHI 225 METALOGIC		
PHI 230: PHILOSOPHY OF HISTORY		
PHI 235: TOPICS IN MORAL THEORY		
PHI 240: PHILOSOPHY OF SOCIAL SCIENCES		
PHI 241: PHILOSOPHY OF MIND		
PHI 245: HUMAN LOVE / SEXUAL MORALITY		
PHI 249: INTERPRETATIONS OF THE QURAN		
PHI 260: PHILOSOPHY OF ART		
PHI 265: SOCIAL AND POLITICAL PHILOSOPHY		
PHI 270: INTERPRETATION OF RELIGIOUS TEXTS		
PHI 280: AMERICAN PHILOSOPHY		
PHI 310: THEORY OF KNOWLEDGE		
PHI 330: PHILOSOPHY OF SCIENCE		
PHI 345: METAPHYSICS		
PHI 350-354: SELECTED TOPICS IN PHILOSOPHY		
PHI 355: EXISTENTIALISM & PHENOMENOLOGY		
PHI 375: PHILOSOPHY OF LANGUAGE		
PHI 379: INDEPENDENT STUDY		
PHI 470: SELECTED TOPICS IN PHILOSOPHY		
TOTAL 18		

Concomitant Courses *SELECT COURSES FROM THE CLAS, 100 OR ABOVE, WITH THE APPROVAL OF THE FACULTY ADVISOR*

COURSE	CR	GRADE
TOTAL CREDITS 9		

Electives

COURSE	CR	GRADE
TOTAL CREDITS 36		

NOTE: PHILOSOPHY COURSES TAKEN UNDER GENERAL EDUCATION APPLY TOWARD THE 33 CREDIT MINIMUM IN THE MAJOR PROGRAM, BUT SHOULD NOT BE COUNTED TWICE IN COMPUTING TOTAL CREDITS FOR THE DEGREE. (NO MORE THAN 45 CREDITS IN PHILOSOPHY MAY APPLY TOWARD THE 120 CREDITS REQUIRED FOR GRADUATION.)

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA Philosophy
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Philosophy program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	PHI 116 (GE A4)
PHI 30 (ME)	PHI 40 (FE)
COM 10 (GE A1)	CMP 202 (GE A3)
CMP 100 (GE A2)	ANT 10 (GE B)
ANT 20 (GE C1)	ARH 25 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
PHI 20 (FE)	PHI 121 (MRE)
PHI 105 (MRE)	PHI 140 (MR)
POL 40 (GE B)	MUS 20 (GE D)
PSY 11 (GE B)	MAT 105 (GE C3)
PHY 20 (GE C2)	ENG 10 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
PHI 136 (MRE)	PHI 345 (ME)
PHI 265 (ME)	PHI 241 (ME)
ECO 11 (FE)	ECO 12 (FE)
HIS 227 (CC)	GEG 20 (FE)
SPA 101 (FE)	SPA 102 (FE)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
PHI 310 (ME)	PHI 380 (MR)
PHI 260 (PE)	PHI 355 (FE)
SPA 103 (FE)	BIO 130 (FE)
ENG 233 (CC)	SPA 104 (FE)
HIS 226 (CC)	POL 140 (FE)

GE (XX) = General Education Plan (category)
MR = required major course
MRE = major restricted elective
ME = elective major course (must be PHI)
CC = concomitant course
FE = free elective, any course including PHI

PROGRAM CODE
ULASPHIR

EFFECTIVE DATE
FALL 2018

VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

PHILOSOPHY

BACHELOR OF ARTS

RELIGIOUS STUDIES

STUDENT:

STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
PHI 60: INTRODUCTION TO RELIGIOUS STUDIES	3	
PHI 140: SYMBOLIC LOGIC	3	
PHI 170: PHILOSOPHY OF RELIGION	3	
PHI 381: SR. SEM IN PHI / RELIGIOUS STUDIES	3	
TOTAL CREDITS 12		

Restricted Electives I

SELECT TWO COURSES	CR	GRADE
PHI 105: MEDIEVAL PHILOSOPHY	3	
PHI 116: ANCIENT PHILOSOPHY	3	
PHI 121: MODERN PHILOSOPHY	3	
PHI 136: KANT TO HEGEL	3	
TOTAL CREDITS 6		

Restricted Electives II

SELECT ONE COURSE	CR	GRADE
PHI 110: COMP. STUDY OF RELIGION	3	
PHI 130: ASIAN PHILOSOPHY	3	
PHI 249: INTERPRETATIONS OF THE QURAN	3	
PHI 270: INTERPRETATION OF RELIGIOUS TEXTS	3	
TOTAL CREDITS 3		

Open Electives

SELECT FOUR COURSES. TWO MUST BE AT 300+ LEVEL.	CR	GRADE
PHI 15: CRITICAL THINKING		
PHI 20: INTRODUCTION TO LOGIC		
PHI 30: INTRODUCTION TO PHILOSOPHY		
PHI 40: INTRODUCTION TO ETHICS		
PHI 80: BUSINESS ETHICS		
PHI 105: MEDIEVAL PHILOSOPHY		
PHI 110: COMP. STUDY OF RELIGION		
PHI 113: ENVIRONMENTAL PHILOSOPHY		
PHI 116: ANCIENT PHILOSOPHY		
PHI 121: MODERN PHILOSOPHY		
PHI 125: ASPECTS OF DEATH AND DYING		
PHI 130: ASIAN PHILOSOPHY		
PHI 136: KANT TO HEGEL		
PHI 150: HISTORY OF SCIENTIFIC IDEAS		
PHI 160: PHILOSOPHY OF SPORT		
PHI 202: HONORS: TWO PHILOSOPHERS		
PHI 210: MEDICAL ETHICS		
PHI 215: PERSONS, LIFE, AND DEATH		
PHI 225 METALOGIC		
PHI 230: PHILOSOPHY OF HISTORY		
PHI 235: TOPICS IN MORAL THEORY		
PHI 240: PHILOSOPHY OF SOCIAL SCIENCES		
PHI 241: PHILOSOPHY OF MIND		
PHI 245: HUMAN LOVE / SEXUAL MORALITY		
PHI 249: INTERPRETATIONS OF THE QURAN		
PHI 260: PHILOSOPHY OF ART		
PHI 265: SOCIAL AND POLITICAL PHILOSOPHY		
PHI 270: INTERPRETATION OF RELIGIOUS TEXTS		
PHI 280: AMERICAN PHILOSOPHY		
PHI 310: THEORY OF KNOWLEDGE		
PHI 330: PHILOSOPHY OF SCIENCE		
PHI 345: METAPHYSICS		
PHI 350-354: SELECTED TOPICS IN PHILOSOPHY		
PHI 355: EXISTENTIALISM & PHENOMENOLOGY		
PHI 375: PHILOSOPHY OF LANGUAGE		
PHI 379: INDEPENDENT STUDY		
PHI 470: SELECTED TOPICS IN PHILOSOPHY		
TOTAL CREDITS 12		

Concomitant Courses *FROM CLAS WITH APPROVAL OF FACULTY ADVISOR. INCLUDE AT LEAST TWO OF THE FOLLOWING COURSES.*

COURSE	CR	GRADE
ANT 165: THE MUSLIM MIDDLE EAST		
ANT / SOC 212: SHAMANS, WITCHES, AND MAGIC / SOCIOLOGY OF RELIGION		
ANT / SOC 213: WORLD RELIGIONS		
ANT 285: MILLENARIAN MOVEMENTS		
ARH 302: EARLY CHRISTIAN & BYZANTINE ART		
ARH 305: MEDIEVAL ART		
ARH 311: ENGLISH CATHEDRALS		
ARH 319: ARTS OF THE ISLAMIC WORLD		
ENG 111: BIBLE AS STORY AND LIT. SOURCE		
ENG 251: OLD TESTAMENT LITERATURE		
ENG 252: NEW TESTAMENT LITERATURE		
HIS 225: HISTORY OF THE JEWISH PEOPLE IN MODERN TIMES		
HIS 227: HISTORY OF THE HOLOCAUST		
HIS 228: HISTORY OF RELIGION IN AMERICA		
HIS 238: EUROPE DURING THE REFORMATION: 1500-1600 CE		
HIS 325: THE MIDDLE AGES		
HIS 328: EUROPE DURING THE RENAISSANCE 1300-1550 CE		
SOC / ANT 246: GLOBALIZATION AND DEVELOPMENT		
SWK 130: POVERTY AND SOCIAL WELFARE		
* ARH 302, ARH 305, AND ARH 311 ARE COLLEGE OF VISUAL AND PERFORMING ARTS AND COUNT TOWARD CONCOMITANT REQUIREMENT.		
TOTAL CREDITS 9		

Electives

COURSE	CR	GRADE
TOTAL CREDITS 36		

NOTE: PHILOSOPHY COURSES TAKEN UNDER GENERAL EDUCATION APPLY TOWARD THE 33 CREDIT MINIMUM IN THE MAJOR PROGRAM, BUT SHOULD NOT BE COUNTED TWICE IN COMPUTING TOTAL CREDITS FOR THE DEGREE. (NO MORE THAN 45 CREDITS IN PHILOSOPHY MAY APPLY TOWARD THE 120 CREDITS REQUIRED FOR GRADUATION).

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA Philosophy/Religious Studies
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Philosophy/Religious Studies program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	PHI 116 (GE A4)
PHI 60 (MR)	PHI 40 (MRE)
COM 10 (GE A1)	CMP 202 (GE A3)
CMP 100 (GE A2)	ANT 10 (GE B)
ANT 20 (GE C1)	ARH 25 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
PHI 20 (FE)	PHI 121 (MRE)
PHI 105 (MRE)	PHI 140 (MR)
POL 40 (GE B)	MUS 20 (GE D)
PSY 11 (GE B)	MAT 105 (GE C3)
PHY 20 (GE C2)	ENG 10 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
PHI 130 (MRE)	PHI 345 (ME)
PHI 170 (MR)	PHI 249 (ME)
ENG 111(CC)	ANT/SOC 213 (CC)
HIS 227 (CC)	GEG 20 (FE)
SPA 101 (FE)	SPA 102 (FE)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
PHI 355 (ME)	PHI 381 (MR)
PHI 260 (FE)	PHI 235 (FE)
SPA 103 (FE)	BIO 130 (FE)
ENG 233 (FE)	SPA 104 (FE)
HIS 226 (FE)	ANT 214 (FE)

GE (XX) = General Education Plan (category)
MR = required major course
MRE = major restricted elective
ME = elective major course (must be PHI)
CC = concomitant course
FE = free elective, any course including PHI

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPOL	
EFFECTIVE DATE	# POLITICAL SCIENCE
FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER	
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Introductory Course

COURSE		CR	GRADE
POL 10: AMERICAN GOVERNMENT		3	
POL 20: INTERNATIONAL RELATIONS		3	
POL 30: INTRODUCTION TO COMPARATIVE POLITICS		3	
POL 40: INTRODUCTION TO POLITICAL THEORY		3	
TOTAL CREDITS	**12**		

RESEARCH METHODS

COURSE		CR	GRADE
POL 101: SOC. SCI. RESEARCH DESIGN & WRITING		3	
POL 201: EMPIRICAL POLITICAL ANALYSIS		3	
TOTAL CREDITS	**6**		

DEPTH COURSES *AT LEAST 3 COURSES AT 200-LEVEL OR ABOVE; AT LEAST ONE COURSE FROM EACH OF THE SUBFIELDS LISTED BELOW*

COURSE		CR	GRADE
TOTAL CREDITS	**15**		

SENIOR SEMINAR

POL 380: SENIOR SEMINAR IN POLITICAL SCIENCE			
TOTAL CREDITS	**3**		

SUBFIELD DISTRIBUTION

COURSE	CR	GRADE
A. AMERICAN POLITICS & GOVERNMENT		
B. COMPARATIVE POLITICS OF INT. RELATIONS		
C. POLITICAL THEORY		

FREE ELECTIVES *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM INCLUDING POL*

COURSE		CR	GRADE
TOTAL CREDITS	**42**		

[1] STUDENTS SHOULD CONSULT THEIR MAJOR ADVISER FOR APPLICABLE COURSES FOR EACH SUBFIELD.

NOTES: DEPT. PERMISSION REQUIRED FOR POL 370 AND/OR POL 390. POL 370 MAY BE TAKEN TWICE FOR A TOTAL OF 6 CREDIT HOURS.

SELECTED TOPICS (POL 371) MAY BE TAKEN MORE THAN ONCE AS LONG AS THE SAME TOPIC IS NOT REPEATED.

GRADUATE COURSES AT THE 400 LEVEL ARE OPEN TO JUNIORS & SENIORS WHO HAVE A 2.9 GPA AND ABOVE WITH PERMISSION OF THE DEPARTMENT.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**36**		MINIMUM QPA OVERALL	**2.0**	
ELECTIVES	**42**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA Political Science
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Political Science program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	POL 20 (MR)
POL 10 (MR)	POL 30 (MR)
COM 10 (GE A1)	CMP 200 (GE A3)
CMP 100 (GE A2)	GEG 20 (GE B)
ANT 20 (GE C1)	HIS 14 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
POL 40 (MR)	POL 140 (ME)
PHI 40 (GE B)	POL 214 (ME)
HIS 25 (GE B)	CMP 207 (GE A4)
PHI 20 (GE C2)	MAT 140 (GE C3)
HIS 15 (GE D)	PHI 30 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
POL 101 (MR)	POL 201 (MR)
POL 332 (ME)	POL 341 (ME)
ECO 11 (FE)	ECO 12 (FE)
CRJ 181 (FE)	GEG 20 (FE)
SPA 101 (FE)	SPA 102 (FE)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
POL 228 (ME)	POL 181 (FE)
POL 380 (MR)	POL 231 (FE)
SPA 103 (FE)	BIO 130 (FE)
CRJ 182 (FE)	SPA 104 (FE)
GEG 110 (FE)	GEG 223 (FE)

GE (XX) = General Education Plan (category)
MR = required major course
ME = elective major course (must be POL)
FE = free elective, any course including POL

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPOLPL	POLITICAL SCIENCE
EFFECTIVE DATE: FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER: 2188	PARALEGAL STUDIES

STUDENT: **STUDENT ID NUMBER:**

MAJOR PROGRAM

Introductory Course

COURSE		CR	GRADE
POL 10: AMERICAN GOVERNMENT		3	
POL 20: INTERNATIONAL RELATIONS		3	
POL 30: INTRODUCTION TO COMPARATIVE POLITICS		3	
POL 40: INTRODUCTION TO POLITICAL THEORY		3	
TOTAL CREDITS	**12**		

RESEARCH METHODS

COURSE		CR	GRADE
POL 101: SOC. SCI. RESEARCH DESIGN & WRITING		3	
POL 201: EMPIRICAL POLITICAL ANALYSIS		3	
TOTAL CREDITS	**6**		

DEPTH COURSES *AT LEAST 3 COURSES AT 200-LEVEL OR ABOVE; AT LEAST ONE COURSE FROM EACH OF THE SUBFIELDS LISTED*

COURSE		CR	GRADE
TOTAL CREDITS	**15**		

SENIOR SEMINAR

POL 380: SENIOR SEMINAR IN POLITICAL SCIENCE			
TOTAL CREDITS	**3**		

SUBFIELD DISTRIBUTION

COURSE	CR	
A. AMERICAN POLITICS & GOVERNMENT		
B. COMPARATIVE POLITICS OF INT. RELATIONS		
C. POLITICAL THEORY		

PARALEGAL STUDIES *NON-THREE (3) CREDIT PLG COURSES MUST BE TAKEN TOGETHER IN THE SAME SEMESTER*

COURSE		CR	GRADE
PLG 120: INTRO TO PARALEGAL STUDIES		3	
PLG 150: TORTS AND PERSONAL INJURY		3	
PLG 200: CIVIL LITIGATION PROCEDURE		3	
PLG 215: LAW OFFICE MANAGEMENT		3	
PLG 220: CONTRACT LAW & BUS ORG.		3	
PLG 245: LEGAL RESEARCH & WRITING		3	
SELECT THREE CREDITS FROM THE FOLLOWING COURSES:			
PLG 125: WORKERS COMP. PRACTICE		2	
PLG 130: SOCIAL SECURITY DIABILITY PRACTICE		2	
PLG 135: INTERVIEWING FOR PARALEGALS		1	
PLG 228: IMMIGRATION LAW FOR PARALEGALS		3	
PLG: 230: ESTATES & TRUSTS		3	
PLG 235: FAMILY LAW		3	
PLG 240: BANKRUPTCY LAW		3	
PLG 250: LEGAL INTERNSHIP		3	
PLG 255: LEGAL WRITING		3	
TOTAL CREDITS (ELECTIVE & PARALEGAL)	**21**		

FREE ELECTIVES *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT (INCLUDING POL) WITH THE APPROVAL OF THE MAJOR ADVISOR*

COURSE		CR	GRADE
TOTAL CREDITS	**21**		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	57		MINIMUM QPA OVERALL	2.0	
ELECTIVES	21		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA Political Science w/ Paralegal Studies
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Political Science program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	POL 20 (MR)
POL 10 (MR)	POL 30 (MR)
COM 10 (GE A1)	CMP 200 (GE A3)
CMP 100 (GE A2)	GEG 20 (GE B)
ANT 20 (GE C1)	HIS 14 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
POL 40 (MR)	POL 140 (ME)
PHI 40 (GE B)	POL 214 (ME)
HIS 25 (GE B)	CMP 207 (GE A4)
PHI 20 (GE C2)	MAT 140 (GE C3)
HIS 15 (GE D)	PHI 30 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
POL 101 (MR)	POL 201 (MR)
POL 332 (ME)	POL 341 (ME)
PLG 120 (MR)	PLG 200 (MR)
PLG 150 (MR)	PLG 215 (MR)
SPA 101 (FE)	SPA 102 (FE)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
POL 228 (ME)	POL 181 (FE)
POL 380 (MR)	POL 231 (FE)
SPA 103 (FE)	PLG 220 (MR)
PLG 245 (MR)	SPA 104 (FE)
PLG 230 (MR)	GEG 223 (FE)

GE (XX) = General Education Plan (category)
MR = required major course
ME = elective major course (must be POL)
FE = free elective, any course including POL

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASSOC	
EFFECTIVE DATE	SOCIOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF ARTS*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

General Sociology Track

COURSE	CR	GRADE
SOC 10: PRINCIPLES OF SOCIOLOGY	3	
SOC 200: STATISTICS / SOC & BEH. SCIENCE **OR** SOC 201: QUANTITATIVE ANALYSIS IN SOCIOLOGY	3	
SOC 165: SOCIAL INEQUALITY	3	
TOTAL CREDITS 9		

CHOOSE TWO COURSES:

COURSE	CR	GRADE
SOC 120: MARRIAGE AND THE FAMILY	3	
SOC 122: INTIMATE RELATIONSHIPS	3	
SOC 207: FAMILIES & SOCIAL CLASS	3	
SOC 208: CHILDHOOD & ADOLESCENCE / AMER. SOC.	3	
SOC/WGS 217: LGBTQ STUDIES *	3	
SOC 224: IMMIGRATION & ASSIMILATION *	3	
ANT/SOC 232: MARRIAGE AND FAM. IN CROSS CULT. PERSPECTIVES	3	
SOC 235: SOCIOLOGY OF GENDER *	3	
SOC 275: SOCIAL FOUND. OF HUMAN BEHAVIOR *	3	
SOC 290: SOCIAL GERONTOLOGY & SOC. WELFARE	3	
SOC 370: SELECTED TOPICS	3	
TOTAL CREDITS 6		

CHOOSE TWO COURSES

COURSE	CR	GRADE
SOC/WGS 217: LGBTQ STUDIES *	3	
SOC 222: RURAL POVERTY	3	
SOC 224: IMMIGRATION & ASSIMILATION *	3	
ANT/SOC 213: WORLD RELIGIONS	3	
SOC 230: URBAN SOCIOLOGY	3	
SOC 235: SOCIOLOGY OF GENDER *	3	
ANT/SOC 241: RACE & ETHNICITY	3	
ANT/SOC 246: GLOBALIZATION & DEVELOPMENT	3	
SOC 240: POPULATION PROBLEMS	3	
ANT 262: HATE ACROSS CULTURES *	3	
SOC 275: SOCIAL FOUND. OF HUMAN BEHAVIOR *	3	
SOC 280: SOCIAL MOVEMENTS	3	
SOC 371: SELECTED TOPICS	3	
TOTAL CREDITS 6		

CHOOSE TWO COURSES

COURSE	CR	GRADE
SOC 150: LAW & SOCIETY	3	
SOC 220: JUVENILE DELINQUENCY	3	
SOC 245: SOCIOLOGY OF DEVIANCE	3	
SOC 247: ENVIRONMENTAL SOCIOLOGY	3	
SOC 250: CRIMINOLOGY	3	
ANT 262: HATE ACROSS CULTURES *	3	
SOC 270: SOCIOLOGY OF ORGANIZATIONS	3	
SOC 271: WHITE COLLAR CRIME	3	
SOC 372: SELECTED TOPICS	3	
TOTAL CREDITS 6		

Advanced Requirements

COURSE	CR	GRADE
SOC 310: FOUNDATIONS OF SOCIOLOGICAL THEORY	3	
SOC 350: METHODS OF SOCIAL RESEARCH	3	
SOC 380: SENIOR SEMINAR IN SOCIOLOGY	3	
TOTAL CREDITS 9		

Sociology Electives

ANY 6 CREDITS OF SOC COURSES OFFERED AT KU OR TRANSFERRED FROM ANOTHER INSTITUTION, AND NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS

COURSE	CR	GRADE
	3	
	3	
TOTAL CREDITS 6		

Free Electives

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

NOTE:

* COURSE TO BE USED ONLY ONCE TO FULFILL MAJOR REQUIREMENTS

9 CREDITS MUST BE TAKEN FROM THE FOLLOWING DISCIPLINES: ANT, CRJ, ECO, GEG, HIS, INT, POL, PSY, SWK, AND WGS

SOCIOLOGY COURSES MAY NOT BE USED TO FULFILL GEN ED REQUIREMENTS

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four Year Sociology Program Plan

FIRST YEAR

Fall Semester

Course	Title	Credits
SOC 10	Principles of Sociology	3
SOC ?	Sociology Elective (Groups)	3
FYS 100	First Year Seminar	3
Gen Ed A1	100-level Composition (e.g., CMP 100, ENG 23)	3
Gen Ed B1	Understanding Self and Others	3
Total		15

Spring Semester

Course	Title	Credits
SOC ?	Sociology Elective (Groups)	3
Gen Ed A2	Composition 200 level	3
Gen Ed C1	Scientific Inquiry	3
Gen Ed D1	Understanding and Creating Ideas	3
Free Elective	Any 3 credit course	3
Total		15

SECOND YEAR

Fall Semester

Course	Title	Credits
SOC 165	Social Inequality	3
SOC ?	Sociology Elective (Groups)	3
Gen Ed A3	Speaking	3
Gen Ed C2	Quantitative Reasoning	3
Free Elective	Any 3 credit course	3
Total		15

Spring Semester

Course	Title	Credits
SOC ?	Sociology Elective (Groups)	3
SOC ?	Sociology Elective (Groups)	3
Gen Ed D2	Understanding and Creating Ideas	3
Free Elective	Any 3 credit course	3
Free Elective	Any 3 credit course	3
Total		15

THIRD YEAR

Fall Semester

Course	Title	Credits
SOC 200 or 201	Statistics	3
SOC ?	Sociology Elective (Groups)	3
Gen Ed B2	Understanding Self and Others	3
Free Elective	Any 3 credit course	3
Free Elective	Any 3 credit course	3
Total		15

Spring Semester

Course	Title	Credits
SOC 350	Methods of Social Research	3
SOC ?	Sociology Elective (Any)	3
Gen Ed B3	Understanding Self and Others	3
Free Elective	Any 3 credit course	3
Free Elective	Any 3 credit course	3
Total		15

FOURTH YEAR

Fall Semester

Course	Title	Credits
SOC 310	Foundations of Social Theory	3
Gen Ed C3	Understanding Science & Technology	3
Gen Ed A4	Speaking or Writing course	3
Free Elective	Any 3 credit course	3
Free Elective	Any 3 credit course	3
Total		15

Spring Semester

Course	Title	Credits
SOC 380	Senior Seminar in Sociology	3
SOC ?	Sociology Elective (Any)	3
Gen Ed D3	Understanding and Creating Ideas	3
Free Elective	Any 3 credit course	3
Free Elective	Any 3 credit course	3
Total		15

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASSPA	SPANISH
EFFECTIVE DATE: FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses *A GRADE OF C OR ABOVE IS REQUIRED*

COURSE	CR	GRADE
SPA 212: SPANISH COMPOSITION **OR** SPA 207: WRITING IN SPANISH FOR THE PROFESSIONAL WORLD	3	
SPA 213: SPANISH CONVERSATION **OR** SPA 214: SPANISH FOR HERITAGE LEARNERS *	3	
SPA 380: SENIOR SEMINAR	3	
TOTAL CREDITS 9		

Elective Courses *SPA 200 AND ABOVE*

COURSE	CR	GRADE
SPA	3	
SPA	3	
SPA	3	
SPA	3	
SPA	3	
SPA	3	
SPA	3	
TOTAL CREDITS 21		

Elective Courses Cont. *SPA 200 AND ABOVE OR COURSES RELATED TO THE MAJOR PROGRAM WITH APPROVAL OF ADVISOR*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
TOTAL CREDITS 12		

Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

THE FOLLOWING COURSES ARE RECOMMENDED TO MEET YOUR GENERAL EDUCATION REQUIREMENTS

COURSE	GE	GRADE
SPA 103	A3	
SPA 104	A4	
MLS 101 *	B	
MLS 102 *	B	

NOTE:

1. MAJORS ARE REQUIRED TO TAKE THE WRITING PROFICIENCY TEST (WPT) AND ORAL PROFICIENCY INTERVIEW (OPI) ASSESSMENTS IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR SPA 380.

2. STUDENTS ARE ENCOURAGED TO WORK TOWARD THE COMPLETION OF A MINOR OR A SECOND MAJOR.

* SPA 214 IS THE REQUIRED COURSE FOR NATIVE OR HERITAGE LEARNERS OF SPANISH; IN OTHER WORDS IT IS FOR STUDENTS WHO SPEAK SPANISH AT HOME AND WHO MAY OR MAY NOT HAVE FORMAL EDUCATION IN SPANISH. NATIVE OR HERITAGE LEARNERS OF SPANISH ARE NOT PERMITTED TO TAKE SPA 213.

* MLS COURSES THAT CAN BE USED IN THIS CATEGORY FOR SPA MAJORS INCLUDE GER, FRE, CHI, OR PAG. SPANISH MAJORS ARE ENCOURAGED TO PURSUE STUDY IN ADDITIONAL LANGUAGE.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	42		MINIMUM QPA OVERALL	2.0	
ELECTIVES	36		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

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7. demonstrate an understanding of various models for the development of the whole person.
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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BA Spanish Eight Semester Planner

First Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
FYS ###	Any First year Seminar course	3	CMP 2##	Any CMP 200-level Course	3
CMP 1##	Any CMP 100-level course	3	SPA 104	Intermediate Spanish 2 (Gen. Ed. Category A.4)	3
SPA 103	Intermediate Spanish I (Gen. Ed. Category A.3)	3		Any Understanding Science & Tech course	3
	Any Understanding Science & Tech course	3		Any Understanding Self and Others course *Modern Language 101 other than Spanish recommended	3
	Any Understanding and Creating Ideas course	3		Any Understanding and Creating Ideas course	3
Total		**15**			**15**

Second Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
SPA 212 or 207	Spanish Composition or Writing in Spanish for the Professional World	3	SPA 213 or 214	Advanced Spanish Conversation OR Spanish for Heritage Learners, as appropriate	3
	Free Elective	3	SPA 2##	Any SPA course above 200	3
	Any Understanding Science & Tech course	3		Free Elective *Modern Language 103 other than Spanish recommended	3
	Any Understanding Self and Others course *Modern Language 102 other than Spanish recommended	3		Any Understanding Self and Others course	3
	Any Understanding and Creating Ideas course	3		Free Elective	3
Total		**15**			**15**

Third Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
SPA 2##	Any SPA course above 200	3	SPA 2##	Any SPA course above 200	3
SPA 2##	Any SPA course above 200	3	SPA 2##	Any SPA course above 200	3
	Any SPA 2## or above; or approved related course	3		Any SPA 2## or above; or approved related course	3
	Free Elective *Modern Language 104 other than Spanish recommended	3		Free Elective	3
	Free Elective	3		Free Elective	3
Total		**15**			**15**

Fourth Year					
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
SPA 380	Senior Seminar	3	SPA 2##	Any SPA course above 200	3
SPA 2##	Any SPA course above 200	3		Any SPA 2## or above; or approved related course	3
	Any SPA 2## or above; or approved related course	3		Free Elective	3
	Free Elective	3		Free Elective	3
	Free Elective	3		Free Elective	3
Total		**15**			**15**

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASBIOCH	
EFFECTIVE DATE	
FALL 2018	
VERSION NUMBER	
2188	

BIOCHEMISTRY

BACHELOR OF SCIENCE

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Chemistry

COURSE		CR	GRADE
CHM 100: GENERAL CHEMISTRY I		4	
CHM 102: GENERAL CHEMISTRY II		4	
CHM 214: ORGANIC CHEMISTRY I		4	
CHM 216: ORGANIC CHEMISTRY II		4	
CHM 230: ANALYTICAL CHEMISTRY I		4	
CHM 310: BIOCHEMISTRY I		4	
CHEM 312: BIOCHEMISTRY II		4	
CHM 314: PHYSICAL CHEMISTRY I		4	
CHM 380: SENIOR SEMINAR IN CHEM.		2	
TOTAL CREDITS	**34**		

Required Biology

COURSE		CR	GRADE
BIO 104: PRINCIPLES OF BIOLOGY		4	
BIO 106: INTRO TO ZOOLOGY **OR** BIO 108: INTRO TO BOTANY		4	
TOTAL CREDITS	**8**		

Genetics / Molecular Bio.

COURSE		CR	GRADE
BIO 216: GENETICS **OR** BIO 346: MOLECULAR BIOLOGY		3	
TOTAL CREDITS	**3**		

Cell Electives

SELECT ONE COURSE		CR	GRADE
BIO 350: CELL BIOLOGY BIO 354: DEVELOPMENTAL BIOLOGY BIO 356: IMMUNOLOGY		3	
TOTAL CREDITS	**3**		

Chemistry Electives

COURSE		CR	GRADE
CHM 3XX:		3-4	
CHM 3XX:		3-4	
CHM 3XX:		3-4	
CHM 37X: RESEARCH IN CHEMISTRY *		1-4 *	
CHM 39X: CHEMISTRY ELECTIVE		1-4 *	
TOTAL CREDITS	**4-10 ** **		

Biology Electives

COURSE		CR	GRADE
ANY COURSE FROM REQ. BIO. OR CELL ELECTIVES IF NOT USED TO FULFILL THOSE REQUIREMENTS		3	
BIO 224: APPL. ENV. MICROBIOLOGY		3	
BIO 228: HUMAN PHYSIOLOGY		3	
BIO 232: PLANT PHYSIOLOGY		3	
BIO 300: COMPARATIVE ANIMAL PHYSIOLOGY		3	
BIO 306: FOOD MICROBIOLOGY		3	
BIO 330: HISTOLOGY		3	
BIO 336: MEDICAL MICROBIOLOGY		3	
BIO 370: RESEARCH IN BIOLOGY *		1-3 *	
BIO 390: INTERNSHIP IN BIOLOGY		3-6 *	
BIO 460: CANCER BIOLOGY		3	
TOTAL CREDITS	**0-6 ** **		

Physics

COURSE		CR	GRADE
PHY 100: PHYSICS I		***	
PHY 102: PHYSICS II		4	
TOTAL CREDITS	**8**		

Mathematics

COURSE		CR	GRADE
MAT 181: CALCULUS		***	
MAT 182: CALCULUS		***	
TOTAL CREDITS	**8**		

Free Electives *CHOOSE ANY COURSES THAT COUNT TOWARDS GRADUATION*

COURSE		CR	GRADE
TOTAL CREDITS	**1-16**		

* THE COMBINED CREDIT TOTAL TOWARD THE MAJOR PROGRAM FOR CHM 37X & BIO 370 MAY NOT EXCEED 4 CREDITS.

** THE COMBINED CREDITS BETWEEN CHEMISTRY ELECTIVES AND BIOLOGY ELECTIVES SHOULD TOTAL 10 CREDITS WITH A MINIMUN OF 4 FROM CHEMISTRY ELECTIVES.

*** COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY GEN ED REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	75		MINIMUM QPA OVERALL	2.0	
ELECTIVES	1-16		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

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KUTZTOWN UNIVERSITY

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CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

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TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Biochemistry Example 4-Year Schedule

Freshman Year

Fall Semester	Cr
CHM100 - Gen Chem I	4
BIO104 - Principles of Biology	4
MAT 105 – College Algebra MAT106 - Trigonometry, MAT115 - Precalculus, or MAT181 - Calculus I[a]	3 - 4
FYS100 - First Year Seminar	3
Total	14 - 15

Spring Semester	Cr
CHM102 - Gen Chem II	4
BIO106 - Intro. to Zoology[b]	4
MAT181 - Calculus I or MAT182 - Calculus II[a+c]	4
Gen Ed A1 (CMP1XX)	3
Total	15

Sophomore Year

Fall Semester	Cr
CHM214 - Organic Chem I	4
PHY100 - Physics I[a]	4
MAT182 - Calculus II[a+c]	4
Gen Ed A2 (CMP2XX)	3
Total	15

Spring Semester	Cr
CHM216 - Organic Chem II	4
PHY102 - Physics II	4
BIO216 - Genetics	3
Gen Ed A3	3
Total	14

Junior Year

Fall Semester	Cr
CHM310 - Biochemistry I	4
CHM230 - Analytical Chem I	4
Gen Ed A4	3
Gen Ed B1	3
Free Elective[e]	3
Total	17

Spring Semester	Cr
CHM312 - Biochemistry II	4
CHM Elective[d]	4
Gen Ed B2	3
Gen Ed D1	3
Free Elective[e]	3
Total	17

Senior Year

Fall Semester	Cr
CHM314 - Physical Chem I	4
BIO or CHM Elective[d]	3 – 4
Gen Ed B3	3
Gen Ed D2	3
Free Eelective	3
Total	16 – 17

Spring Semester	Cr
CHM380 - Senior Seminar	2
BIO or CHM Elective[d]	3 - 4
Cellular Biology Elective	3
Gen Ed D3	3
Free Elective	3
Total	14 -15

a. Each of these courses also meets Gen Ed category C.
b. Instead of BIO106 in the Spring Freshman Year; BIO108 - Intro. to Botany could be taken in the Fall.
c. Students may be at a different level of Calculus, but should continue within the MAT sequence depending on initial mathematics course taken.
d. 4-10 Cr (credits) are required for CHM electives, 0-6 Cr are required for BIO electives (see below).

e. Pre-health profession students may want to take BIO 121 and BIO 122 (Anatomy and Physiology I and II) or BIO 264 and BIO 235 (Comparative Anatomy and General Physiology) as free electives in the Fall and Spring of the third or fourth year.

Chemistry Electives (4-10 Cr required)[f]

Course	Cr
CHM 316 - Physical Chem II	4
CHM 318 - Adv Biochemistry	3
CHM 320 - Adv Inorganic Chem	4
CHM 326 - Adv Organic Chem	3
CHM 336 - Adv Physical Chem	3
CHM 340 - Analytical Chem II	4
CHM 351 - Selected Topics	1 - 3
CHM 352 - Selected Topics	1 - 3
CHM 353 - Selected Topics	1 - 3
CHM 370 - Research in Chem I	1 – 3[g]
CHM 371 - Research in Chem II	1 – 3[g]
CHM 372 - Research in Chem III	1 – 3[g]
CHM 373 - Research in Chem IV	1 – 3[g]
CHM 390 - Internship in Chem	1 - 4

Biology Electives (0-6 Cr required)[f]

Course	Cr
BIO216 - Genetics	3
BIO346 - Molecular Biology	3
BIO350 - Cell Biology	3
BIO354 - Developmental Biology	3
BIO356 - Immunology	3
BIO235 - General Physiology	3
BIO224 - Appl Env Microbiology	3
BIO300 - Comparative Animal Physiology	3
BIO306 - Food Microbiology	3
BIO 330 - Histology	3
BIO 336 - Medical Microbiology	3
BIO 370 - Research in Biology	1 – 3[g]
BIO 390 - Internship in Biology	3 - 6

f. Some of these electives (CHM and BIO) are not offered every semester.
g. The sum total of CHM370, CHM371, CHM372, CHM373 & BIO 370 may not exceed 4 credits toward the major program.

Note that a minimum of 120 Cr are required for graduation (42-45 Cr Gen Ed, 75-78 Cr Major).

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASBIOAH	
EFFECTIVE DATE	BIOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

ALLIED HEALTH

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- at least 5 courses must be 300 or 400 level

Required Biology

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY (must earn a C or better)	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 216 GENETICS	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 270 RESEARCH METHODS	3	
BIO 380 SENIOR SEMINAR	2	
TOTAL CREDITS 23		

Allied Health Track

COURSE	CR	GRADE
BIO 120 ANATOMY & PHYS. I	4	
BIO 122 ANATOMY &PHYS. II	4	
TOTAL CREDITS 8		

Program Electives

COURSE	CR	GRADE
SELECT FOUR COURSES: BIO 252 CELLULAR PHYS. & METAB. BIO 264 COMPARATIVE ANATOMY (4) BIO 306 FOOD MICROBIOLOGY BIO 330 HISTOLOGY BIO 334 MEDICAL PARASITOLOGY BIO 336 MEDICAL MICROBIOLOGY BIO 354 DEVELOPMENTAL BIOLOGY BIO 356 IMMUNOLOGY BIO 370 RESEARCH IN BIOLOGY **OR** BIO 390 INTERNSHIP CHM 216 ORGANIC CHEMISTRY II BIO 460 CANCER BIOLOGY	12/13	
BIOLOGY FIELD ELECTIVE – SELECT ONE COURSE: BIO 218 VERTEBRATE BIOLOGY BIO/ENV222 ENVIRONMENTAL BIOLOGY BIO/MAR 226 MARINE BIOLOGY BIO 230 TAXONOMY OF VASCULAR PLANTS BIO/ENV 244 ECOLOGY / BIO 302 ENTOMOLOGY BIO 308 ORNITHOLOGY / BIO 314 ANIMAL BEHAVIOR BIO 322 POPULATION AND COMMUNITY ECOLOGY BIO 324 PLANT ECOLOGY / BIO 342 HERPETOLOGY BIO 332 AQUATIC ECOLOGY BIO 358 CONSERVATION BIOLOGY BIOLOGY COURSES OFFERED AT CHINCOTEAGUE FIELD STATION (200 LEVEL OR ABOVE)	3	
BIO 200, 300 OR 400 LEVEL FREE ELECTIVE **BIO**	3	
TOTAL CREDITS 18		

CONCOMITANT COURSES

Required Chemistry

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	4 ♦	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 204 FUND. OF ORGANIC CHEMISTRY **OR** CHM 214: ORGANIC CHEMISTRY I	4	
TOTAL CREDITS 12		

Required Physics

COURSE	CR	GRADE
PHY 40: GENERAL PHYSICS I **AND**	4 ♦	
PHY 42: GENERAL PHYSICS II **OR**	4	
PHY 100: PHYSICS I **AND**	4 ♦	
PHY 102: PHYSICS II	4	
TOTAL CREDITS 8		

Mathematics

COURSE	CR	GRADE
SELECT ONE COURSE: MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MAT 181 CALCULUS I	3/4♦	
SELECT ONE COURSE: MAT 140 APPLIED STATISTICS PSY/SOC 200 STATISTICS (PSY 11 OR SOC 10 ARE PREREQ.) MAT 150 BIOSTATISTICS	3/4 ♦	
TOTAL CREDITS 6/8		

PSYCHOLOGY

COURSE	CR	GRADE
PSY AT 100, 200, OR 300 LEVEL (NOT PSY 200) PSY	3	
TOTAL CREDITS 3		

Elective Courses

ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING BIO)

COURSE	CR	GRADE
TOTAL ELECTIVE CREDITS 7/9		

UP TO THREE (3) CONCOMITANT COURSES MARKED WITH ♦ CAN BE COUNTED TO FULFILL GEN ED GOAL: UNDERSTANDING SCIENCE AND TECHNOLOGY

NO SINGLE COURSE CAN COUNT TOWARD MORE THAN ONE CATEGORY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**78-81**		MINIMUM QPA OVERALL	**2.0**	
TOTAL CREDITS	**120**		MINIMUM QPA IN MAJOR	**2.0**	
			MAJOR PROGRAM COURSES 300 OR 400 LEVEL	**5**	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Biology/Allied Health
Suggested 4-Year Schedule
12/2018

Freshman Year

Fall Semester	Cr
CHM 100 – General Chemistry I (C2)	4
BIO 104 – Principles of Biology	4
Required Math (MAT 106, 115, or 181)[1]	3
First Year Seminar	3
Total	14

Spring Semester	Cr
CHM 102 – General Chemistry II	4
BIO 106 – Intro to Zoology	4
Gen Ed Course – PSY 11 (B1)	3
Gen Ed Course – CMP 1XX (A1)	3
Gen Ed Course – COM 10 (A3)	3
Total	17

Sophomore Year

Fall Semester	Cr
CHM 204 or CHM 214	4
BIO 108 – Intro to Botany	4
BIO 224 – Applied Env. Microbiology	3
Gen Ed Course – CMP 2XX (A2)	3
Total	14

Spring Semester	Cr
BIO 270CT WI – Research Methods	3
BIO 216QL - Genetics	3
Required Math (MAT 140 or 150 or PSY 200)[2]	3
PSY at the 100, 200, or 300 level[3]	3
Gen Ed Course (A4)	3
Total	15

Junior Year

Fall Semester	Cr
PHY 40 or 100 (C1)	4
BIO 120 A&P I	4
BIO Elective[4]	3
BIO Elective[4]	3
Gen Ed Course (B2)	3
Total	17

Spring Semester	Cr
PHY 42 or 102 (C3)	4
BIO 122 – Anatomy & Physiology II	4
BIO Elective[4]	3
Gen Ed Course (D1)	3
Unrestricted elective	3
Total	17

Senior Year

Fall Semester	Cr
Unrestricted elective	3
BIO Elective[4]	3
BIO Elective[4]	3
Gen Ed Course (D2)	3
Total	12

Spring Semester	Cr
BIO 380 - Senior Seminar in Biology	2
BIO Elective[4]	3
Gen Ed Course (B3)	3
Gen Ed Course (D3)	3
Unrestricted elective	3
Total	14

[1] The program requires two MAT courses: MAT 106, MAT 115, or MAT 181 **and** MAT 140, PSY/SOC 200 or MAT 150. Before selecting a MAT course, students must take the math placement exam (https://www.kutztown.edu/academics/colleges-and-departments/liberal-arts-and-sciences/departments/mathematics/math-placement.htm) and begin with the appropriate course. Students placing into MAT 105 will need to take MAT 105 here, as it is a prerequisite for MAT 106, and use MAT 105 as an unrestricted elective. This will necessitate a rearrangement of the Gen Ed courses and unrestrictive electives on this plan.

[2] Prerequisites for PSY 200 (Statistics for the Social and Behavioral Sciences) include MAT 017 or higher **and** PSY 11 or SOC 10.

[3] Psychology 200 cannot be used to fulfill this requirement.

[4] See Program electives on the Biology/Allied Health track sheet.

Note: No credits can be counted in more than one category. At least four BIO courses must be at 300–400 level.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASBIOMM	
EFFECTIVE DATE: FALL 2018	BIOLOGY
VERSION NUMBER: 2188	*BACHELOR OF SCIENCE*

MOLECULAR BIOLOGY / MICROBIOLOGY / CELL BIOLOGY

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- at least 5 courses must be 300 or 400 level

Required Biology

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY (must earn a C or better)	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 216 GENETICS	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 270 RESEARCH METHODS	3	
BIO 380 SENIOR SEMINAR	2	
TOTAL CREDITS 23		

Molecular Biology/Microbiology/Cellular Biology Track

COURSE	CR	GRADE
BIO 252 CELL PHYS & METAB. **OR** CHM 312 BIOCHEMISTRY II	3/4	
BIO 346 MOLECULAR BIOLOGY	3	
BIO 350 CELL BIOLOGY	3	
TOTAL CREDITS 9/10		

Program Electives

COURSE	CR	GRADE
SELECT TWO COURSES: BIO 122 ANATOMY & PHYS. II **OR** BIO 235: GENERAL PHYSIO. BIO 232 PLANT PHYSIOLOGY BIO 306 FOOD MICROBIOLOGY BIO 330 HISTOLOGY BIO 334 MEDICAL PARASITOLOGY BIO 336 MEDICAL MICROBIOLOGY BIO 354 DEVELOPMENTAL BIOLOGY BIO 356 IMMUNOLOGY BIO 370 RESEARCH IN BIOLOGY **OR** BIO 390 INTERNSHIP BIO 460 CANCER BIOLOGY	6/7	
BIOLOGY FIELD ELECTIVE – SELECT ONE COURSE: BIO 218 VERTEBRATE BIOLOGY BIO/ENV222 ENIVRONMENTAL BIOLOGY BIO/MAR 226 MARINE BIOLOGY BIO 230 TAXONOMY OF VASCULAR PLANTS BIO/ENV 244 ECOLOGY BIO 302 ENTOMOLOGY BIO 308 ORNITHOLOGY BIO 314 ANIMAL BEHAVIOR BIO 322 POPULATION AND ECOLOGY OF ANIMALS BIO 324 PLANT ECOLOGY BIO 342 HERPETOLOGY BIO 332 AQUATIC ECOLOGY BIO 358 CONSERVATION BIOLOGY BIOLOGY COURSES OFFERED AT CHINCOTEAGUE FIELD STATION (200 LEVEL OR ABOVE	3	
BIO 200, 300 OR 400 LEVEL FREE ELECTIVE BIO	3	
TOTAL CREDITS 12		

CONCOMITANT COURSES

Required Chemistry

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	4 ♦	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 214 ORGANIC CHEMISTRY I	4	
CHM 216 ORGANIC CHEMISTRY II	4	
CHM BIOCHEMISTRY I	4	
TOTAL CREDITS 20		

Required Physics

COURSE	CR	GRADE
PHY 40: GENERAL PHYSICS I **AND**	4 ♦	
PHY 42: GENERAL PHYSICS II **OR**	4	
PHY 100: PHYSICS I **AND**	4 ♦	
PHY 102: PHYSICS II	4	
TOTAL CREDITS 8		

Mathematics

COURSE	CR	GRADE
SELECT ONE COURSE: MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MAT 181 CALCULUS I	3/4♦	
SELECT ONE COURSE: MAT 140 APPLIED STATISTICS PSY/SOC 200 STATISTICS (PSY 11 OR SOC 10 ARE PREREQ.) MAT 150 BIOSTATISTICS MAT181 CALCULUS I MAT 181 CALCULUS II	3/4 ♦	
TOTAL CREDITS 6/8		

Unrestricted Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING BIO)*

COURSE	CR	GRADE
TOTAL ELECTIVE CREDITS 6/9		

NO SINGLE COURSE CAN COUNT TOWARD MORE THAN ONE CATEGORY

UP TO THREE (3) CONCOMITANT COURSES MARKED WITH ♦ CAN BE COUNTED TO FULFILL GEN ED GOAL: UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	78-81		MINIMUM QPA OVERALL	2.0	
TOTAL CREDITS	120		MINIMUM QPA IN MAJOR	2.0	
			MAJOR PROGRAM COURSES 300 OR 400 LEVEL	5	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Biology/Molecular/Micro/Cell Biology
Suggested 4-Year Schedule
8/2018

Freshman Year

Fall Semester	Cr
CHM 100 – General Chemistry I (C2)	4
BIO 104 – Principles of Biology	4
First Year Seminar (FYS)	3
Gen Ed Course (A1 = CMP 1XX)	3
Total	14

Spring Semester	Cr
CHM 102 – General Chemistry II	4
BIO 106 – Intro to Zoology	4
Gen Ed Course (B1)	3
Required Math[1,2] (C3)	3
Total	14

Sophomore Year

Fall Semester	Cr
CHM 214VL - Org Chem I	4
BIO 108 – Intro to Botany	4
BIO 224 – Applied Env. Microbiology	3
Gen Ed Course (A3 = COM 010)	3
Total	14

Spring Semester	Cr
CHM 216WI - Org Chem II	4
BIO 270CT WI – Research Methods	3
BIO 216 QL - Genetics	3
Required Math[1,2]	3
Gen Ed Course (B2)	3
Total	16

Junior Year

Fall Semester	Cr
PHY 40 or 100 (C1)	4
BIO 346 Molecular Biology	3
BIO Elective[3]	3
Gen Ed Course (A2 = CMP 2XX)	3
Gen Ed Course (B3)	3
Total	16

Spring Semester	Cr
PHY 42 or 102	4
BIO 350 Cellular Biology	3
BIO Elective[3]	3
Gen Ed Course (A4)	3
Gen Ed Course (D1)	3
Total	16

Senior Year

Fall Semester	Cr
CHM 310 Biochemistry I	4
BIO Elective[3]	3
Gen Ed Course (D2)	3
Unrestricted Elective	3
Unrestricted Elective	3
Total	16

Spring Semester	Cr
BIO 252 Cell Phys or CHM 312 Biochem II	3/4
BIO 380 - Senior Seminar in Biology	2
BIO Elective[3]	3
Gen Ed Course (D3)	3
Unrestricted Elective	3
Total	15/16

[1] See required courses on track sheet. Note: **MAT 105 or Math placement score greater than 60** is a prerequisite **for MAT 106, MAT 140, and MAT 150**.
[2] Prerequisites of MAT 017 or higher **and** PSY 11 Intro to Psychology are required for PSY 200 (Statistics for the Social and Behavioral Sciences).
[3] See Biology electives on track sheet.

Note: No single course can count toward more than one category. At least five BIO courses must be at 300-400 level.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASBIOOE	
EFFECTIVE DATE	BIOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

ORGANISMAL BIOLOGY / ECOLOGY

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- at least 5 courses must be 300 or 400 level

Required Biology

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY (must earn a C or better)	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 216 GENETICS	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 270 RESEARCH METHODS	3	
BIO 380 SENIOR SEMINAR	2	
TOTAL CREDITS 23		

ORGANISMAL/ECOLOGY TRACK

COURSE	CR	GRADE
BIO 244 ECOLOGY	4	
BIO 122 ANATOMY & PHYS. II **OR** BIO 232 PLANT PHYSIOLOGY **OR** BIO 235 GENERAL PHYSIOLOGY **OR** BIO 320 PHYS. ECOLOGY ANIMALS	3/4	
BIO 218 VERTEBRATE BIOLOGY **OR** BIO 302 ENTOMOLOGY **OR** BIO 308 ORNITHOLOGY **OR** BIO 316 INVERTEBRATE BIOLOGY	3	
BIO 230 TAXONOMY VASCULAR. PLANTS **OR** BIO 232 PLANT PHYSIOLOGY **OR** BIO 324 PLANT ECOLOGY	3	
TOTAL CREDITS 13/14		

Program Electives

COURSE	CR	GRADE
SELECT THREE COURSES: BIO 218 VERTEBRATE BIOLOGY BIO 222 ENVIRONMENTAL BIOLOGY BIO 226 MARINE BIOLOGY BIO 230 TAXONOMY VASCULAR PLANTS BIO 232 PLANT PHYSIOLOGY BIO 235 GENERAL PHYSIOLOGY / BIO 302 ENTOMOLOGY BIO 308 ORNITHOLOGY / BIO 314 ANIMAL BEHAVIOR BIO 316 INVERT BIOLOGY BIO 320 PHYSIOLOGICAL ECOLOGY ANIMALS BIO 322 POP. & COMMUNITY ECOLOGY BIO 324 PLANT ECOLOGY / BIO 326 MARINE ECOLOGY BIO 332 AQUATIC ECOLOGY BIO 334 MEDICAL PARASITOLOGY / BIO 342 HERPETOLOGY BIO 346 MOLECULAR BIOLOGY / BIO 350 CELL BIOLOGY BIO 358 CONSERVATION BIOLOGY BIO 370 RESEARCH **OR** BIO 390 INTERNSHIP	9/10	
BIOLOGY FIELD ELECTIVE: BIO, MAR, OR ENV 200-400 LEVEL ELECTIVE	3	
TOTAL CREDITS 12/13		

CONCOMITANT COURSES

Required Chemistry

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	4 ♦	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 214 ORGANIC CHEMISTRY I	4	
CHM 216 ORGANIC CHEMISTRY II	4	
TOTAL CREDITS 16		

Required Physics

COURSE	CR	GRADE
PHY 40: GENERAL PHYSICS I **AND**	4 ♦	
PHY 42: GENERAL PHYSICS II **OR**	4	
PHY 100: PHYSICS I **AND**	4 ♦	
PHY 102: PHYSICS II	4	
TOTAL CREDITS 8		

Mathematics

COURSE	CR	GRADE
SELECT ONE COURSE: MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MAT 181 CALCULUS I	3/4♦	
SELECT ONE COURSE: MAT 140 APPLIED STATISTICS PSY/SOC 200 STATISTICS (PSY 11 OR SOC 10 ARE PREREQ.) MAT 150 BIOSTATISTICS MAT181 CALCULUS I MAT 181 CALCULUS II	3/4 ♦	
TOTAL CREDITS 6/8		

Unrestricted Electives

COURSE	CR	GRADE
TOTAL CREDITS 5/9		

NO SINGLE COURSE CAN COUNT TOWARD MORE THAN ONE CATEGORY

UP TO THREE (3) CONCOMITANT COURSES MARKED WITH ♦ CAN BE COUNTED TO FULFILL GEN ED GOAL: UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	78-81		MINIMUM QPA OVERALL	2.0	
TOTAL CREDITS	120		MINIMUM QPA IN MAJOR	2.0	
			MAJOR PROGRAM COURSES 300 OR 400 LEVEL	5	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

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1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Biology/Organismal/Ecology
Suggested 4-Year Schedule
11/2018

Freshman Year

Fall Semester	Cr
CHM 100 – General Chemistry I	4
BIO 104 – Principles of Biology	4
First Year Seminar (FYS)	3
Gen Ed Course (A1 CMP 1XX)	3
Total	14

Spring Semester	Cr
CHM 102 – General Chemistry II	4
BIO 106 – Intro to Zoology	4
Gen Ed Course (A3)	3
Required Math[1,2] (C2)	3/4
Total	14/15

Sophomore Year

Fall Semester	Cr
CHM 214VL Org Chem I	4
BIO 108 – Intro to Botany	4
BIO 224 – Applied Env. Microbiology	3
Gen Ed Course (A2 CMP 2XX)	3
Gen Ed Course (B1)	3
Total	17

Spring Semester	Cr
CHM 216WI Org Chem II	4
BIO 270CT WI – Research Methods	3
BIO Plant or Animal Course or BIO Elective[3]	3
Required Math[1,2]	3/4
Gen Ed Course (D1)	3
Total	16/17

Junior Year

Fall Semester	Cr
PHY 40 or 100	4
BIO 244 Ecology	4
BIO Plant or Animal Course or BIO Elective[3]	3
Gen Ed Course (B2)	3
Gen Ed Course (D2)	3
Total	17

Spring Semester	Cr
PHY 42 or 102	4
BIO 216QL Genetics	3
BIO Physiology Course or BIO Elective[4]	3
Gen Ed Course (A4)	3
Gen Ed Course (B3)	3
Total	16

Senior Year

Fall Semester	Cr
BIO Plant or Animal Course or BIO Elective[3]	3
BIO Plant or Animal Course or BIO Elective[3]	3
BIO Physiology Course or BIO Elective[4]	3
Gen Ed Course (D3)	3
Free Elective	3
Total	15

Spring Semester	Cr
BIO 380 - Senior Seminar in Biology	2
BIO Plant or Animal Course or BIO Elective[3]	3
BIO Plant or Animal Course or BIO Elective[3]	3
Free Elective	3
Free Elective	3
Total	14

[1] See required courses on track sheet. Note: **MAT 105** is a prerequisite **for MAT 106, MAT 140, and MAT 150; MAT 181** is 4 credits.
[2] Prerequisites of MAT 017 or higher **and** PSY 11 Intro to Psychology are required for PSY 200 (Statistics for the Social and Behavioral Sciences).
[3] One animal course (**BIO 218, 302, 308, or 324**), one plant course (**BIO 230, 232, or 324**), and four BIO electives are required.
[4] One physiology course (**BIO 122, 232, 235, 300, or 320**) and one General Elective are required.

Note: No single course can count toward more than one category. At least five BIO courses must be at 300-400 level and must have a 300 level ecology course.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASBIOMH	
EFFECTIVE DATE: FALL 2018	# BIOLOGY
VERSION NUMBER: 2188	*BACHELOR OF SCIENCE*

PRE-MEDICAL / HEALTH CAREERS

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- at least 5 courses must be 300 or 400 level

Required Biology

COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY (must earn a C or better)	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 216 GENETICS	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 270 RESEARCH METHODS	3	
BIO 380 SENIOR SEMINAR	2	
TOTAL CREDITS 23		

PRE-MEDICAL TRACK

COURSE	CR	GRADE
BIO 264 COMPARATIVE ANATOMY	4	
BIO 346 MOLECULAR BIOLOGY **OR** BIO 350 CELL BIOLOGY	3	
BIO 122 ANATOMY & PHYS II **OR** BIO 235: GENERAL PHYSIOLOGY	3/4	
TOTAL CREDITS 10/11		

Program Electives

COURSE	CR	GRADE
SELECT THREE COURSES: BIO 252 CELLULAR PHYS. & METAB. **OR** CHM 312 BIOCHEM II BIO 306 FOOD MICROBIOLOGY BIO 330 HISTOLOGY BIO 334 MEDICAL PARASITOLOGY BIO 336 MEDICAL MICROBIOLOGY BIO 354 DEVELOPMENTAL BIOLOGY BIO 356 IMMUNOLOGY BIO 370 RESEARCH IN BIOLOGY **OR** BIO 390 INTERNSHIP CHM 310 BIOCHEM I BIO 460 CANCER BIOLOGY	9	
BIOLOGY FIELD ELECTIVE – SELECT ONE COURSE: BIO 218 VERTEBRATE BIOLOGY BIO/ENV222 ENIVRONMENTAL BIOLOGY BIO/MAR 226 MARINE BIOLOGY BIO 230 TAXONOMY OF VASCULAR PLANTS BIO/ENV 244 ECOLOGY / BIO 302 ENTOMOLOGY BIO 308 ORNITHOLOGY / BIO 314 ANIMAL BEHAVIOR BIO 322 POPULATION AND COMMUNITY ECOLOGY BIO 324 PLANT ECOLOGY / BIO 342 HERPETOLOGY BIO 332 AQUATIC ECOLOGY BIO 358 CONSERVATION BIOLOGY BIOLOGY COURSES OFFERED AT CHINCOTEAGUE FIELD STATION (200 LEVEL OR ABOVE)	3	
BIO 200, 300 OR 400 LEVEL FREE ELECTIVE BIO	3	
TOTAL CREDITS 15		

NO SINGLE COURSE CAN COUNT TOWARD MORE THAN ONE CATEGORY

CONCOMITANT COURSES

Required Chemistry

COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	4 ♦	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 214 ORGANIC CHEMISTRY I	4	
CHM 216 ORGANIC CHEMISTRY II	4	
TOTAL CREDITS 16		

Required Physics

COURSE	CR	GRADE
PHY 40: GENERAL PHYSICS I **AND**	4 ♦	
PHY 42: GENERAL PHYSICS II **OR**	4	
PHY 100: PHYSICS I **AND**	4 ♦	
PHY 102: PHYSICS II	4	
TOTAL CREDITS 8		

Mathematics

COURSE	CR	GRADE
SELECT ONE COURSE: MAT 106 TRIGONOMETRY MAT 115 PRECALCULUS MAT 181 CALCULUS I	3/4♦	
SELECT ONE COURSE: MAT 140 APPLIED STATISTICS PSY/SOC 200 STATISTICS (PSY 11 OR SOC 10 ARE PREREQ.) MAT 150 BIOSTATISTICS MAT181 CALCULUS I MAT 181 CALCULUS II	3/4 ♦	
TOTAL CREDITS 6/8		

Elective Courses *ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING BIO)*

COURSE	CR	GRADE
TOTAL ELECTIVE CREDITS 7/9		

UP TO THREE (3) CONCOMITANT COURSES MARKED WITH ♦ CAN BE COUNTED TO FULFILL GEN ED GOAL: UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	78-81		MINIMUM QPA OVERALL	2.0	
TOTAL CREDITS	120		MINIMUM QPA IN MAJOR	2.0	
			MAJOR PROGRAM COURSES 300 OR 400 LEVEL	5	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Biology/Pre-Medical and Other Health Careers
Suggested 4-Year Schedule

8/2018

Freshman Year

Fall Semester	Cr
CHM 100 – General Chemistry I	4
BIO 104 – Principles of Biology	4
First Year Seminar	3
Gen Ed A1 (CMP 100)	3
Total	14

Spring Semester	Cr
CHM 102 – General Chemistry II	4
BIO 106 – Intro to Zoology	4
Gen Ed B1 (Psy 11 recommended)	3
Gen Ed B2 (SOC 10 recommended)	3
Required Math[1,2]	3
Total	17

Sophomore Year

Fall Semester	Cr
CHM 214VL - Org Chemistry I	4
BIO 108 – Intro to Botany	4
BIO 224 – Applied Env. Microbiology	3
Gen Ed Course B3 (Psy 125 recommended)	3
Total	14

Spring Semester	Cr
CHM 216WI - Org Chemistry II	4
BIO 270CT WI – Research Methods	3
BIO 216QL - Genetics	3
Required Math[1]	3
Gen Ed Course A2 (CMP 200)	3
Total	16

Junior Year

Fall Semester	Cr
PHY 40 or 100	4
BIO 346 Molecular Bio or BIO Elective	3
BIO 264 – Comparative Anatomy	4
BIO Elective (CHM 310 recommended)	4
Gen Ed Course D1	3
Total	18

Spring Semester	Cr
PHY 42 or 102	4
BIO 235 – Gen Phys	3
BIO Elective[3] or Cell Bio	3
Gen Ed Course D2	3
Free Elective (MAT 181 recommended)	3
Total	16

Senior Year

Fall Semester	Cr
Gen Ed A4	3
BIO Elective[3]	3
BIO Elective (200, 300 or 400 level)	3
Gen Ed Course A3	3
Total	12

Spring Semester	Cr
BIO 380 - Senior Seminar in Biology	2
BIO Field Elective	3
Gen Ed A4	3
Gen Ed D3	3
Free Elective	3
Total	14

[1] See required courses on track sheet. Note: **MAT 105** is a prerequisite **for MAT 106, MAT 140, and MAT 150**.
[2] Prerequisites of MAT 017 or higher **and** PSY 11 Intro to Psychology are required for PSY 200 (Statistics for the Social and Behavioral Sciences).
[3] See Biology electives on track sheet.

Note: No single course can count toward more than one category. At least five BIO courses must be at 300-400 level.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASCHES	CHEMISTRY
EFFECTIVE DATE: FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Chemistry

COURSE	CR	GRADE
CHM 100: GENERAL CHEMISTRY I	4	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 214: ORGANIC CHEMISTRY I	4	
CHM 216: ORGANIC CHEMISTRY II	4	
CHM 230: ANALYTICAL CHEMISTRY I	4	
CHM 314: PHYSICAL CHEMISTRY I	4	
CHM 316: PHYSICAL CHEMISTRY II	4	
CHM 320: ADVANCED INORGANIC CHEMISTRY	4	
CHM 340: ANALYTICAL CHEMISTRY II	4	
CHM 380: SENIOR SEMINAR IN CHEMISTRY	2	
TOTAL CREDITS 38		

Chemistry Electives *CHOOSE 7-8 CREDITS*

COURSE	CR	GRADE
CHM 310: BIOCHEMISTRY I	4 *	
CHM 312: BIOCHEMISTRY II	4	
CHM 318: ADVANCED BIOCHEMISTRY	3	
CHM 326: ADVANCED ORGANIC CHEMISTRY	3	
CHM 336: ADVANCED PHYSICAL CHEMISTRY	3	
CHM 351: SELECTED TOPICS	1-6	
CHM 370: RESEARCH IN CHEMISTRY I	1-3 **	
CHM 371: RESEARCH IN CHEMISTRY II	1-3 **	
CHM 372: RESEARCH IN CHEMISTRY III	1-3 **	
CHM 373: RESEARCH IN CHEMISTRY IV	1-3 **	
CHM 390: INTERNSHIP IN CHEMISTRY	1-4	
TOTAL CREDITS 7-8		

CONCOMITANT COURSES

Physics

COURSE	CR	GRADE
PHY 100: PHYSICS I	***	
PHY 102: PHYSICS II	4	

Mathematics

MAT 181: CALCULUS I	***	
MAT 182: CALCULUS II	4	
MAT 283: CALCULUS III	4	

Biology

BIO 104: PRINCIPLES OF BIOLOGY	***	
TOTAL CREDITS 12		

Free Electives

COURSE	CR	GRADE
TOTAL CREDITS 5-21		

NOTE:

* TO RECEIVE A B.S. IN CHEMISTRY, APPROVED BY THE AMERICAN CHEMICAL SOCIETY, CHM 310 MUST BE TAKEN

** THE COMBINED CREDIT TOTAL TOWARD THE MAJOR PROGRAM FOR CHM 370, CHM 371, CHM 372 AND CHM 373 MAY NOT EXCEED 4 CREDITS. ANY ADDITIONAL CREDIT HOURS COUNT TOWARD FREE ELECTIVES.

*** COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY GENERAL EDUCATION REQUIREMENTS IN UNDERSTANDING SCIENCE AND TECHNOLOGY.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	57-58		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	5-21		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
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3. apply skills in critical analysis and reasoning for the interpretation of data.
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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Chemistry Example 4-Year Schedule

Freshman Year

Fall Semester	Cr
CHM 100 - Gen Chem I	4
MAT 105, 106, 115 or 181	3 - 4
FYS – First Year Seminar	3
Gen Ed (A1 – CMP1XX)	3
Gen Ed (A3 – COM010)	3
Total	16 - 17

Spring Semester	Cr
CHM 102 - Gen Chem II	4
MAT 106, 181 or 182	3 - 4
BIO 104 - Principles of Biology	4
Gen Ed (A2 – CMP2XX)	3
Total	14 - 15

Sophomore Year

Fall Semester	Cr
CHM 214 - Organic Chem I	4
PHY 100 - Physics I	4
MAT 182 – Calculus II*	4
Gen Ed (B1)	3
Total	15

Spring Semester	Cr
CHM 216 - Organic Chem II	4
PHY 102 - Physics II	4
MAT 283 - Calculus III*	4
Gen Ed (D1)	3
Total	15

*Students may be at a different level of Calculus, but should continue within the MAT sequence depending on initial math course taken.

Junior Year

Fall Semester	Cr
CHM 314 - Physical Chem I	4
CHM 230 - Analytical Chem I	4
Gen Ed (A4)	3
Gen Ed (D2)	3
Total	14

Spring Semester	Cr
CHM 316 - Physical Chem II	4
CHM 340 - Analytical Chem II	4
CHM Elective	3 - 4
Gen Ed (B2)	3
Total	14 - 15

Senior Year

Fall Semester	Cr
CHM 320 - Adv Inorganic Chem	4
CHM Elective	1 - 4
Gen Ed (D3)	3
Gen Ed (B3)	3
Free Elective	3
Total	14 - 17

Spring Semester	Cr
CHM 380 - Senior Seminar	2
CHM Elective	1 - 4
Free Elective	3
Free Elective	3
Free Elective	3
Total	12 - 15

Chemistry Electives (7-8 Cr required)

Course	Cr
CHM 310 - Biochemistry I**	4
CHM 312 - Biochemistry II	4
CHM 318 - Adv Biochemistry	3
CHM 326 - Adv Organic Chem	3
CHM 336 - Adv Physical Chem	3
CHM 351 - Selected Topics	1 - 6
CHM 370 - Research in Chem I	1 – 3#
CHM 371 - Research in Chem II	1 - 3#
CHM 372 - Research in Chem III	1 - 3#
CHM 373 - Research in Chem IV	1 - 3#
CHM 390 - Internship in Chem	1 - 4

**In order to have an ACS certified degree, one must take CHM 310 - Biochemistry I as a CHM elective.

#The sum total of CHM370, CHM371, CHM372 & CHM373 may not exceed 4 Cr.

NOTE: Some of these electives are not offered every semester.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

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2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASCSCSD	
EFFECTIVE DATE	# COMPUTER SCIENCE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
CSC 125: DISCRETE MATH FOR CS I	3	
CSC 225: DISCRETET MATH FOR CS II	3	
CSC 135: COMP SCI I	3	
CSC 136: COMP SCI II	3	
CSC 235: COMP ORG & ASSEMBLY LANG	3	
CSC 237: DATA STRUCTURES	3	
CSC 310: PROG. LANGUAGES	3	
CSC 328: NETWORK PROGRAMMING	3	
CSC 343: OPERATING SYSTEMS	3	
CSC 354: SOFTWARE ENGINEERING I	3	
CSC 355: SOFTWARE ENGINEERING II	3	
TOTAL CREDITS 33		

CS Elective Courses *0-9 CREDITS OF ADDITIONAL 200 LEVEL CSC COURSES, NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS, EXCLUDING CSC 280*

COURSE	CR	GRADE
	3	
	3	
	3	
TOTAL CREDITS 0-9		

More CS Elective Courses *9-18 CREDITS OF ADDITIONAL CSC COURSES, NUMBER 300 OR ABOVE AND NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS, EXCLUDING ANY COURSE NUMBERED CSC 87X AND CSC 380.*

	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 9-18		

Concomitant Courses

COURSE	CR	GRADE
MAT 260: LINEAR ALGEBRA	3	
MAT ELECTIVE (HIGHER THAN 181, NOT 224)	3	
NATURAL SCIENCE COURSE FOR A SCIENCE MAJOR **	3	
TOTAL CREDITS 9		

Directed General Education *THE FOLLOWING COURSES ARE REQUIRED TO FULFILL THE COMPUTER SCIENCE REQUIREMENTS AND ARE SUGGESTED TO SATISFY GENERAL EDUCATION.*

COURSE	G. E.	GRADE
PHI 40: INTRO TO ETHICS	B	
MAT 181: CALCULUS	C. 2	
MAT 140 **OR** MAT 301: APPLIED STAT METHODS *	C. 3	
NATURAL SCIENCE COURSE FOR A SCIENCE MAJOR **	C. 1	
TOTAL CREDITS 13-14		

Free Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

COURSE	CR	GRADE
TOTAL CREDITS 15-18		

NOTE:

* STUDENTS MINORING IN MATH SHOULD TAKE MAT 301 (NOT MATH 140)

** STUDENTS MUST TAKE TWO SCIENCE COURSES INTENDED FOR A SCIENCE MAJOR. AT LEAST ONE OF THESE COURSES MUST INCLUDE A LAB.

CSC PREFIX COURSES BELOW 125 LEVEL, CSC 130, CSC 280, CSC 380, AND CSC 87X DO NOT COUNT TOWARD THE MAJOR REQUIREMENTS FOR A BS IN COMPUTER SCIENCE (THEY CAN COUNT IN FREE ELECTIVES ONLY).

INTERNSHIP – OPTIONAL (COUNTS IN FREE ELECTIVES
CSC 280: COOPERATIVE INTERNSHIP I (1-6 CREDITS)
CSC 380: COOPERATIVE INTERNSHIP II (1-6 CREDITS)

INTERNAL TRANSFER: 2.25 GPA REQUIRED

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM (CSC 355)	PASS	
PROGRAM CREDITS (MINIMUM)	60		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	15-18		MINIMUM QPA IN MAJOR	2.25	
TOTAL CREDITS	120				

Eight-Semester Planner
BS Computer Science
Version: 2188

Note: You may take no more than three 200-level courses.

Semester I	Semester II
FYS CSC 135 MAT 181 CSC125 or General Education elective General Education elective	CSC 136 CSC elective CSC 125 or CSC225 MAT 182 or another MAT elective General Education elective
Semester III	**Semester IV**
CSC 237 CSC 235 CSC 225 or General Education elective MAT 140 or 301 General Education elective	CSC elective CSC elective MAT 260 Natural science elective Free elective
Semester V	**Semester VI**
CSC 328 CSC 343 Natural science elective General Education elective Free elective	CSC 310 CSC elective PHI 040 General Education elective Free elective
Semester VII	**Semester VIII**
CSC 354 CSC elective General Education elective General Education elective Free elective	CSC 355 CSC elective General Education elective Free elective Free elective

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASCRJ	
EFFECTIVE DATE	CRIMINAL JUSTICE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
CRJ 10: INTRO TO CRIMINAL JUSTICE	3	
CRJ 121: INTRODUCTION TO LAW	3	
CRJ 175: CRJ ORGANIZATIONS & SYSTEMS	3	
CRJ 250: CRIMINOLOGY	3	
CRJ 362: RESEARCH METHODS	3	
CRJ 380: SENIOR SEMINAR	3	
TOTAL CREDITS 18		

Major Electives

CHOOSE 24 CREDITS	CR	GRADE
CRJ 101: INTRODUCTION TO POLICING	3	
CRJ 170: INTRO TO SECURITY MANAGEMENT	3	
CRJ 171: LOSS PREVENTION / ASSET PROTECTION	3	
CRJ 181: CRIMINAL LAW	3	
CRJ 182: CRIMINAL PROCEDURE	3	
CRJ 190: FEDERAL LAW ENFORCEMENT	3	
CRJ 200: COMP CRIMINAL JUSTICE SYSTEM	3	
CRJ 210: DEVELOPMENT OF CJ SYSTEM	3	
CRJ 215: INTRO TO CRIME MAPPING / ANALYSIS	3	
CRJ 221: JUVENILE JUSTICE	3	
CRJ 232: DIVERSITY IN CRIMINAL JUSTICE	3	
CRJ 270 MANAGEMENT OF OFFENDERS	3	
CRJ 271: SUBSTANCE ABUSE & CRIME	3	
CRJ 272: COMMUNITY CORRECTIONS	3	
CRJ 273: CAREER CRIMINALS / CRIMINAL CAREERS	3	
CRJ 274: POLICY, PUNISHMENT & SOCIETY	3	
CRJ 280: ETHICS IN CRIMINAL JUSTICE	3	
CRJ 281: CRIME PREVENTION	3	
CRJ 301: INVESTIGATION / INTELLIGENCE	3	
CRJ 320: EVIDENCE	3	
CRJ 321: CONTEMPORARY LEGAL ISSUES	3	
CRJ 322: NATIONAL SECURITY LAW	3	
CRJ 370: SELECTED TOPICS	3	
CRJ 379: INDEPENDENT STUDY	3	
CRJ 390: INTERNSHIP IN CRJ I	6	
TOTAL CREDITS 24		

Concomitant Courses

CONSULT WITH MAJOR ADVISOR BEFORE SELECTING COURSES CARRYING THE FOLLOWING PREFIXES:
ACC, ANT, BIO, BUS, CHM, CSC, ECO, ENG, GEG, HIS, HLS, MAT, PHI, PHY, PSY, SOC, SWK, WRI & COURSES OFFERED BY THE MODERN LANGUAGE STUDIES DEPT.

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 18		

Electives

CHOOSE ANY UNIVERSITY COURSE.

COURSES	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 18		

NOTE:

1. NON-THREE CREDIT PLG COURSES MUST BE TAKEN TOGETHER IN THE SAME SEMESTER TO TOTAL 3 CREDITS.

2. A GRADE OF C OR HIGHER IS REQUIRED FOR THE REQUIRED COURSES.

3. STUDENTS WHO WANT TO HAVE AN INTERNSHIP EXPERIENCE MAY TAKE SIX CJ ELECTIVES IN ADDITION TO CRJ 390.

4. TRANSFER STUDENTS MUST COMPLETE HALF (21 CREDITS) OF THEIR CRIMINAL JUSTICE REQUIREMENTS AT KUTZTOWN UNIVERSITY.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM & CONCOMITANT CREDITS (MINIMUM)	60		MINIMUM QPA OVERALL	2.0	
ELECTIVES	18		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Department of Criminal Justice

Eight Semester Degree Planner (Suggested)—Effective Fall 19

First Year Fall		**First Year Spring**
CRJ 010: Intro to CJ		CRJ 121: Intro to Law
First Year Seminar		Any CRJ Elective
A.1.		A.2.
B.		B.
C.1.		B.
Second Year Fall		**Second Year Spring**
CRJ 175: CRJ Organizations & Systems		CRJ 250: Criminology
Any CRJ Elective		Any CRJ Elective
A.3.		A.4.
Any Concomitant Course		C.2. or C.3.
C.2 or C.3.		Any Concomitant Course
Third Year Fall		**Third Year Spring**
CRJ 362: Research Methods		Any CRJ Elective
Any CRJ Elective		D.
D.		Any Concomitant Course
Any Concomitant Course		Any Concomitant Course
Any Concomitant Course		Free Elective
Fourth Year Fall		**Fourth Year Spring**
CRJ 380: Senior Seminar		Any CRJ Elective
Any CRJ Elective		Any CRJ Elective
D.		Free Elective
Free Elective		Free Elective
Free Elective		Free Elective

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASCRJPL	
EFFECTIVE DATE	# CRIMINAL JUSTICE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

PARALEGAL STUDIES

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE		CR	GRADE
CRJ 10: INTRO TO CRIMINAL JUSTICE		3	
CRJ 121: INTRODUCTION TO LAW		3	
CRJ 175: CRJ ORGANIZATIONS & SYSTEMS		3	
CRJ 250: CRIMINOLOGY		3	
CRJ 362: RESEARCH METHODS		3	
CRJ 380: SENIOR SEMINAR		3	
TOTAL CREDITS	**18**		

Major Electives

CHOOSE 21 CREDITS	CR	GRADE
CRJ 101: INTRODUCTION TO POLICING	3	
CRJ 170: INTRO TO SECURITY MANAGEMENT	3	
CRJ 171: LOSS PREVENTION / ASSET PROTECTION	3	
CRJ 181: CRIMINAL LAW	3	
CRJ 182: CRIMINAL PROCEDURE	3	
CRJ 190: FEDERAL LAW ENFORCEMENT	3	
CRJ 200: COMP CRIMINAL JUSTICE SYSTEM	3	
CRJ 210: DEVELOPMENT OF CJ SYSTEM	3	
CRJ 215: INTRO TO CRIME MAPPING / ANALYSIS	3	
CRJ 221: JUVENILE JUSTICE	3	
CRJ 232: DIVERSITY IN CRIMINAL JUSTICE	3	
CRJ 270 MANAGEMENT OF OFFENDERS	3	
CRJ 271: SUBSTANCE ABUSE & CRIME	3	
CRJ 272: COMMUNITY CORRECTIONS	3	
CRJ 273: CAREER CRIMINALS / CRIMINAL CAREERS	3	
CRJ 274: POLICY, PUNISHMENT & SOCIETY	3	
CRJ 280: ETHICS IN CRIMINAL JUSTICE	3	
CRJ 281: CRIME PREVENTION	3	
CRJ 301: INVESTIGATION / INTELLIGENCE	3	
CRJ 320: EVIDENCE	3	
CRJ 321: CONTEMPORARY LEGAL ISSUES	3	
CRJ 322: NATIONAL SECURITY LAW	3	
CRJ 370: SELECTED TOPICS	3	
CRJ 379: INDEPENDENT STUDY	3	
CRJ 390: INTERNSHIP IN CRJ I	6	
TOTAL CREDITS **21**		

CONCOMITANT COURSES

Paralegal Studies

COURSE		CR	GRADE
PLG 120: INTRO TO PARALEGAL STUDIES		3	
PLG 150: TORTS AND PERSONAL INJURY		3	
PLG 200: CIVIL LITIGATION AND PROCEDURE		3	
PLG 215: LAW OFFICE MANAGEMENT		3	
PLG 220: CONTRACT LAW & BUS ORGANIZATIONS		3	
PLG 245: LEGAL RESEARCH AND WRITING		3	
PLG 125: WORKERS' COMP PRACTICE (2) PLG 130: SOCIAL SECURITY DISABILITY PRACTICE (2) PLG 135: INTERVIEWING FOR PARALEGALS (1) PLG 228: IMMIGRATION LAW FOR PARALEGALS PLG 230: ESTATES AND TRUSTS PLG 235: FAMILY LAW PLG 240: BANKRUPTCY LAW PLG 250: LEGAL INTERNSHIP PLG 255: LEGAL WRITING		3	
TOTAL CREDITS	**21**		

Electives *CHOOSE ANY UNIVERSITY COURSE*

COURSES		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**18**		

NOTE:

1. NON-THREE CREDIT PLG COURSES MUST BE TAKEN TOGETHER IN THE SAME SEMESTER TO TOTAL 3 CREDITS.

2. A GRADE OF C OR HIGHER IS REQUIRED FOR THE REQUIRED COURSES.

3. STUDENTS WHO WANT TO HAVE AN INTERNSHIP EXPERIENCE MAY TAKE FIVE MAJOR ELECTIVES IN addition TO CRJ 390.

4. TRANSFER STUDENTS MUST COMPLETE HALF (21 CREDITS) OF THEIR CRIMINAL JUSTICE REQUIREMENTS AT KUTZTOWN UNIVERSITY.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM & CONCOMITANT CREDITS (MINIMUM)	**60**		MINIMUM QPA OVERALL	**2.0**	
ELECTIVES	**18**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
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4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Department of Criminal Justice

Eight Semester Degree Planner for Paralegal (Suggested)—Effective Fall 19

First Year Fall		**First Year Spring**
CRJ 010: Intro to CJ		CRJ 121: Intro to Law
First Year Seminar		Any CRJ Elective
A.1.		A.2.
B.		B.
C.1.		B.
Second Year Fall		**Second Year Spring**
CRJ 175: CRJ Organizations & Systems		CRJ 250: Criminology
Any CRJ Elective		Any CRJ Elective
A.3.		A.4.
Any CRJ Elective		C.2. or C.3.
C.2 or C.3.		Any CRJ Elective
Third Year Fall		**Third Year Spring**
CRJ 362: Research Methods		Any CRJ Elective
Any CRJ Elective		D.
D.		Free Elective
PLG 120: Intro to Paralegal Studies		PLG 200: Civil Litigation & Procedure
PLG 150: Torts & Personal Injury		PLG 220: Contract Law & Bus Organizations
Fourth Year Fall		**Fourth Year Spring**
CRJ 380: Senior Seminar		Free Elective
D.		Free Elective
Free Elective		Free Elective
Free Elective		PLG 215: Law Office Management
PLG 245: Legal Research & Writing		PLG Elective

PROGRAM CODE
ULASENVBI
EFFECTIVE DATE
8/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE

BIOLOGY TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Environmental Science Core

REQUIRED COURSES	CR	GRADE
ENV 100: INTRODUCTION to ENVIRONMENAL SCIENCE	3	
ENV 210: ENVIRONMENTAL GEOLOGY	3	
ENV 220: ENVIRONMENTAL ANALYSIS	3	
ENV 222: ENVIRONMENTAL BIOLOGY	3	
ENV 380: SENIOR SEMINAR	2	
TOTAL CREDITS 14		

Biology Track

REQUIRED COURSES	CR	GRADE
BIO 104: PRINCIPLES of BIOLOGY	4	
BIO 106: INTRODUCTION to ZOOLOGY	4	
BIO 108: INTRODUCTION to BOTANY	4	
ENV 224: APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 244: ECOLOGY	4	
BIO 230: TAXONOMY of VASC PLANTS ***or*** BIO 232: PLANT PHYSIOLOGY	3	
BIO 320: PHYSIOLOGICAL ECOLOGY of ANIMALS ***or*** BIO 324: PLANT ECOLOGY ***or*** BIO 326: MARINE ECOLOGY ***or*** BIO 332: AQUATIC ECOLOGY	3	
BIO 302: ENTOMOLOGY ***or*** BIO 316: INVERTEBRATE BIOLOGY	3	
BIO OR ENV 3XX[2]	3	
TOTAL CREDITS 31		

CONCOMITANT COURSES

COURSE	CR	GRADE
Chemistry		
CHM 100: GENERAL CHEMISTRY I (4 cr) (GE C2)	▲	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 214: ORGANIC CHEMISTRY I ***or*** CHM 204: FUNDAMENTALS of ORGANIC CHEMISTRY	4	
Geography		
GEG 010: ELEMENTS of PHYSICAL GEOGRAPHY(3 cr) (GE C1)	▲	
GEG 274: INTRODUCTION to GIS	3	
Geology		
GEL 100: PHYSICAL GEOLOGY	4	
Mathematics		
MAT 106: TRIGONOMETRY (3 cr) ***or*** MAT 115: PRECALCULUS (3 cr) ***or*** MAT 181: CALCULUS I (4 cr)	3/4	
MAT 140: APPLIED STATISTICS ***or*** MAT 150: INTRO to BIOSTATISTICS ***or*** PSY 200: STATS for SOCIAL & BEHAV. SCI.[1]	3	
Physics		
PHY 040: GENERAL PHYSICS I (4 cr) ***and*** (GE C3)	▲	
PHY 042: GENERAL PHYSICS II	4	
or PHY 100: PHYSICS I ***and***		
PHY 102: PHYSICS II		
Restricted Electives[3]		
(3 cr)	▲	
(3 cr)	▲	
TOTAL CREDITS 25-26		

NOTES:

1. PSY 11 IS A PREREQUISITE FOR PSY 200.

2. BIO OR ENV 3XX RESEARCH IN BIOLOGY OR ENVIRONMENTAL SCIENCE OR INTERNSHIP IN BIOLOGY MAY BE USED FOR THREE CREDITS ONLY.

3. CHOICE OF COURSES MADE WITH ADVISOR FROM A LIST MAINTAINED BY ENVIRONMENTAL SCIENCE COMMITTEE.

▲ INDICATES COURSE REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY REQUIREMENTS OF GENERAL EDUCATION. THESE UNITS ARE ONLY COUNTED UNDER GENERAL EDUCATION.

Check Sheet Last Revised: 1/16/2019

FREE ELECTIVES

COURSE	CR	GRADE
TOTAL CREDITS 0-6		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	70		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	0-6		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Environmental Science/Biology
Example 4-Year Schedule

ULASENVBI	**First Semester Suggested Advising for Connections**
BIO 104	
ENV 100	***If ENV 100 is full, enroll in CHM 100
GEG 10	***If GEG 10 is full, enroll in CMP 100 or COM 010
MAT 105, 106, 115, or 181 depending on ALEKS placement score.	

Freshman Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
BIO 104 - Principles of Biology	4	BIO 106 - Intro to Zoology	4
ENV 100 - Intro to Env Sci	3	CHM 100 - Gen Chem I (C2)	4
GEG 010 - Elem Phys Geography (C1)	3	MAT 140 - Appl Statistics	3
MAT 106 - Trigonometry*	3	Gen Ed (A1 - CMP 1XX)	3
		FYS - First Year Seminar	3
Total	13	Total	17

*Students may be at a different level of math depending on ALEKS placement score.

Sophomore Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
BIO 108 - Intro to Botany	4	ENV 222 - Env Biology	3
CHM 102 - Gen Chem II	4	ENV 220 - Env Analysis	3
GEG 274 - Intro to GIS	3	BIO 232 - Plant Phys[1]	3
GEL100 - Physical Geology	4	Gen Ed (A3 - COM 010)	3
		Restricted Elective (Gen Ed B1)	3
Total	15	Total	15

[1]Instead of BIO 232 (Plant Physiology), BIO 230 (Taxonomy of Vascular Plants) can be taken fall of odd numbered years, and in example schedule a General Ed course can replace BIO 232 in spring semester of sophomore year.

Junior Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
CHM 214 - Organic Chem I	4	BIO OR ENV 3XX Elective	3
ENV 224 - App Env Microbiology	3	ENV 210 – Env Geology	3
BIO 244 - Ecology	4	Restricted Elective (Gen Ed D1)	3
Gen Ed (A2 - CMP2XX)	3	Gen Ed (A4)	3
Gen Ed (B2)	3	Gen Ed (B3)	3
Total	17	Total	15

Senior Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
BIO 320 or 324 or 326 or 332	3	ENV 380 – Senior Seminar	2
BIO 302 or 316	3	PHY 042 or 102	4
PHY 040 or 100 (C3)	4	Gen Ed (D3)	3
Gen Ed (D2)	3	Free Elective	3
		Free Elective	3
Total	13	Total	15

PROGRAM CODE
ULASENVCH
EFFECTIVE DATE
8/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE

CHEMISTRY TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Environmental Science Core

REQUIRED COURSES	CR	GRADE
ENV 100: INTRODUCTION to ENVIRONMENTAL SCIENCE	3	
ENV 210: ENVIRONMENTAL GEOLOGY	3	
ENV 220: ENVIRONMENTAL ANALYSIS	3	
ENV 222: ENVIRONMENTAL BIOLOGY	3	
ENV 380: SENIOR SEMINAR	2	
TOTAL CREDITS 14		

Chemistry Track

REQUIRED COURSES	CR	GRADE
CHM 100: GENERAL CHEMISTRY I	4	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 214: ORGANIC CHEMISTRY I	4	
CHM 216: ORGANIC CHEMISTRY II	4	
CHM 2XX OR 3XX:	4	
CHM 3XX:	4	
CHM 3XX:	3	
CHM 3XX OR ENV 3XX:	3	
TOTAL CREDITS 30		

NOTES:

1. A GRADE OF C OR BETTER FOR BIO 104 IS REQUIRED TO BE COUNTED AS A PREREQUISITE.

2. PSY 11 IS A PREREQUISITE FOR PSY 200.

3. CHOICE OF COURSES MADE WITH ADVISOR FROM A LIST MAINTAINED BY ENVIRONMENTAL SCIENCE COMMITTEE.

▲ INDICATES COURSE REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY REQUIREMENTS OF GENERAL EDUCATION. THESE UNITS ARE ONLY COUNTED UNDER GENERAL EDUCATION.

Check Sheet Last Revised: 1/16/2019

CONCOMITANT COURSES

COURSE	CR	GRADE
Biology		
BIO 104: PRINCIPLES of BIOLOGY[1] (4 cr) (GE C1)	▲	
BIO 106 INTRODUCTION to ZOOLOGY ***or*** BIO 108: INTRODUCTION to BOTANY	4	
Geography		
GEG 010: ELEMENTS of PHYSICAL GEOGRAPHY	3	
GEG 274: INTRODUCTION to GIS & LAB	3	
Geology		
GEL 100: PHYSICAL GEOLOGY (4 cr) (GE C2)	▲	
Mathematics		
MAT 181: CALCULUS I	4	
MAT 182: CALCULUS II	4	
MAT 140: APPLIED STATISTICS ***or*** MAT 150: INTRO to BIOSTATISTICS ***or*** PSY 200: STATS for SOCIAL & BEHAV. SCI.[2]	3	
Physics		
PHY 100: PHYSICS I (4 cr) (GE C3)	▲	
PHY 102: PHYSICS II	4	
Restricted Electives[3]		
(3 cr)	▲	
(3 cr)	▲	
TOTAL CREDITS 25		

FREE ELECTIVES

COURSE	CR	GRADE
TOTAL CREDITS 0-6		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	69		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	0-6		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Environmental Science/Chemistry
Example 4-Year Schedule

ULASENVCH	**First Semester Suggested Advising for Connections**
CHM 100	
ENV 100	***If ENV 100 is full, enroll in BIO 104
GEG 10	***If GEG 10 is full, enroll in CMP 100 or COM 010
MAT 105, 106, 115, or 181 depending on ALEKS placement score.	
FYS 100	

Freshman Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
CHM 100 - Gen Chem I	4	CHM 102 - Gen Chem II	4
ENV 100 - Intro to Env Sci	3	BIO 104 - Principles of Biology (C1)	4
GEG 010 - Elem Phys Geography	3	MAT 181 - Calculus I*	4
MAT 106 - Trigonometry*	3	Gen Ed (A1 – CMP 1XX)	3
FYS 100 - First Year Seminar	3		
Total	16	Total	15

*Students may be at a different level of math, but should continue within the MAT sequence depending on initial math course taken.

Sophomore Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
CHM 214 - Organic Chem I	4	CHM 216 - Organic Chem II	4
GEL100 - Physical Geology (C2)	4	PHY 102 - Physics II	4
PHY 100 - Physics I (C3)	4	Gen Ed (A3 – COM 010)	3
MAT 182 - Calculus II*	4	Gen Ed (B1)	3
Total	16	Total	14

Junior Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
CHM 2XX or 3XX – Chem Elective	4	ENV 220 – Env Analysis	3
ENV 210 – Env Geology	3	ENV 222 – Env Biology	3
BIO 108 – Botany/GEG 274 – GIS	4/3	GEG 274 – GIS/BIO 106 – Zoology	3/4
Gen Ed (A2 – CMP2XX)	3	MAT 140 – Appl Statistics	3
Gen Ed (D1)	3	Gen Ed (A4)	3
Total	17/16	Total	15/16

Senior Year

Fall Semester	**Cr**	**Spring Semester**	**Cr**
CHM 3XX – Chem Elective	3	CHM 3XX – Chem Elective	4
CHM 3XX or ENV3XX– Chem or Env Sci Elective	3	ENV 380 – Senior Seminar	2
Restricted Elective (Gen Ed B2)	3	Restricted Elective (Gen Ed D2)	3
Gen Ed (B3)	3	Gen Ed (D3)	3
Free Elective	3		
Total	15	Total	12

IMPORTANT NOTES:

1. PHY 100, PHY 102, ENV 210 & ENV 222 are all offered MW(F) at 9 AM.
2. CHM 216 and ENV 220 are both offered MW(F) at 11 AM.
3. PHY 100 and BIO 108 are ONLY offered in the Fall semester.
4. PHY 102, ENV 222, ENV 220, and ENV 380 are ONLY offered in the Spring semester.

Chemistry Electives (CHM 2XX or 3XX)

Course	Cr
CHM 230 - Analytical Chem I	4
CHM 310 - Biochemistry I	4
CHM 312 - Biochemistry II	4
CHM 314 - Physical Chem I	4
CHM 316 - Physical Chem II	4
CHM 318 - Adv Biochemistry	3
CHM 320 - Adv Inorganic Chem	4
CHM 326 - Adv Organic Chem	3
CHM 336 - Adv Physical Chem	3
CHM 340 - Analytical Chem II	4
CHM 351 - Selected Topics	1 – 6
CHM 370 - Research in Chem I	1 – 3
CHM 371 - Research in Chem II	1 – 3
CHM 372 - Research in Chem III	1 – 3
CHM 373 - Research in Chem IV	1 – 3
CHM 390 - Internship in Chem	1 – 4

PROGRAM CODE
ULASENVGE
EFFECTIVE DATE
8/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE

GEOGRAPHY TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Environmental Science Core

REQUIRED COURSES	CR	GRADE
ENV 100: INTRODUCTION to ENVIRONMENTAL SCIENCE	3	
ENV 210: ENVIRONMENTAL GEOLOGY	3	
ENV 220: ENVIRONMENTAL ANALYSIS	3	
ENV 222: ENVIRONMENTAL BIOLOGY	3	
ENV 380: SENIOR SEMINAR	2	
TOTAL CREDITS 14		

Geography Track

REQUIRED COURSES	CR	GRADE
GEG 010: ELEMENTS of PHYSICAL GEOGRAPHY	3	
GEG 274: INTRODUCTION to GIS & LAB	3	
GEG 375: RESEARCH METHODS in GEOGRAPHY[1]	3	
GEG 394: INTERNSHIP in GEOGRAPHY	2/3	
CHOOSE SIX COURSES		
GEG 040: DESCRIPTIVE OCEANOGRAPHY	3	
GEG 204: METEOROLOGY & LAB	3	
GEG 210: ENVIROMENTAL CONSERVATION	3	
GEG 212: GEOGRAPHY of NATURAL HAZARDS	3	
GEG 304: WEATHER ANALYSIS & LAB	3	
GEG 322: CLIMATOLOGY	3	
GEG 323: GLOBAL WARMING & SCI. of CLIMATE CHANGE	3	
GEG 330: CARTOGRAPHY	3	
GEG 333: ADVANCED GIS	3	
GEG 341: ENVIRONMENTAL PLANNING	3	
GEG 343: LAND USE PLANNING	3	
GEG 347: REMOTE SENSING of the ENVIRONMENT & LAB	3	
GEG 372: SELECTED TOPICS in GEOGRAPHY	3	
ENV 37X: RESEARCH in ENVIRONMENTAL SCIENCE	3	
TOTAL CREDITS 29-30		

FREE ELECTIVES[3]

COURSE	CR	GRADE
TOTAL CREDITS 4-6		

CONCOMITANT COURSES

COURSE		CR	GRADE
Biology			
BIO 104: PRINCIPLES of BIOLOGY (4 cr)	(GE C1)	▲	
BIO 106: INTRODUCTION to ZOOLOGY ***or*** BIO 108: INTRODUCTION to BOTANY		4	
Chemistry			
CHM 100: GENERAL CHEMISTRY I		4	
CHM 102: GENERAL CHEMISTRY II		4	
CHM 204: FUNDAMENTALS of ORGANIC CHEMISTRY ***or*** CHM 214: ORGANIC CHEMISTRY I		4	
Geology			
GEL 100: PHYSICAL GEOLOGY (4 cr)	(GE C2)	▲	
Mathematics			
MAT 106: TRIGONOMETRY (3 cr) ***or*** MAT 115: PRECALCULUS (3 cr) ***or*** MAT 181: CALCULUS I (4 cr)		3/4	
MAT 140: APPLIED STATISTICS ***or*** MAT 150: INTRO to BIOSTATISTICS ***or*** (3 cr) PSY 200: STATS for SOCIAL & BEHAV. SCI.[2]	(GE C3)	▲	
Physics			
PHY 040: GENERAL PHYSICS I		4	
PHY 042: GENERAL PHYSICS II		4	
TOTAL CREDITS 27-28			

NOTES:

1. A STATISTICS COURSE IS PREREQUISITE TO GEG 375 RESEARCH METHODS. ALSO, STUDENTS MUST REGISTER IN THE GEOGRAPHY DEPARTMENT OFFICE SINCE A GEOGRAPHY CREDIT OVERRIDE IS REQUIRED.
2. PSY/POL/SOC 200 STATISTICS FOR THE SOCIAL AND BEHAVIORAL SCIENCES REQUIRES PSY 11 AND MAT 17 OR HIGHER (EXCLUDING 040 AND 045) AS PREREQUISITES. THESE PREREQUISITES MUST BE TAKEN IN GENERAL EDUCATION OR AS ELECTIVES.
3. THE NUMBER OF NEEDED FREE ELECTIVES CREDITS SHOULD BE DETERMINED IN CONSULTATION WITH A FACULTY ADVISOR.

▲ INDICATES COURSE REQUIRED FOR THE MAJOR BUT USED TO SATISFY REQUIREMENTS OF GENERAL EDUCATION SECTION C. THESE UNITS ARE ONLY COUNTED UNDER GENERAL EDUCATION.

Check Sheet Last Revised: 1/16/2019

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	70		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	4-6		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Four-Year Program Plan

ULASENVGE: BS Environmental Science - Geography Track Version 2188 Fall 2018

FIRST YEAR

Fall Semester ■			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
BIO 104	▲Principles of Biology GE C1	4	BIO 106	Zoology (or 108 Botany in Fall)	4
CMP 1xx	Composition 1/2	3	CHM 100	General Chemistry	4
ENV100	Introduction to Environmental Science	3	GEG	Track Course 1/6	3
FYS	First Year Seminar	3	MAT	106, 115, or 181 (4 credits)	3/4
GEG 010	Elements of Physical Geography	3			
Total		***16***	***Total***		***14/15***

SECOND YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
CHM 102	General Chemistry II	4	ENV 220	Environmental Analysis	3
GEG 274	Intro. to Geographic Info. Systems	3	ENV 222	Environmental Biology	3
GEG	Track Course 2/6	3	GEG	Track Course 3/6	3
GEL 100	▲Physical Geology GE C2	4		Speaking Course GE A3	3
				Understanding Ideas GE D 1/3	3
Total		***14***	***Total***		***15***

THIRD YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
CHM	204 or 214 Organic Chemistry	4	ENV 210	Environmental Geology	3
CMP 2xx	Composition 2/2	3	GEG	Track Course 5/6	3
GEG	Track Course 4/6	3	MAT 140/PSY 200	▲Statistics* GE C3	3
PSY 011	Introductory Psychology GE B 1/3	3		CMP or Speaking course GE A4	3
	Free Elective 1/2	2/3		Free Elective 2/2	2/3
Total		***15/16***	***Total***		***14/15***

FOURTH YEAR

Fall Semester			Spring Semester		
Course	**Title**	**Credits**	**Course**	**Title**	**Credits**
GEG	Track Course 6/6	3	ENV 380	Senior Seminar	2
GEG 375	*Research Methods in Geography	3	GEG 394	Internship in Geography	2/3
PHY 040	General Physics I	4	PHY 042	General Physics II	4
	Understanding Self GE B 2/3	3		Understanding Self GE B 3/3	3
	Understanding Ideas GE D 2/3	3		Understanding Ideas GE D 3/3	3
Total		***16***	***Total***		***14/15***

General Education Effective Fall 2018 (2188)		**Credits**
FYS	**First Year Seminar**	3
A	**Communicating With and About the World**	
1	CMP 1xx	3
2	CMP 2xx	3
3	Speaking	3
4	Additional A2 or A3 or approved course	3
B	**Understanding Self and Others**	
1		3
2		3
3		3
C	**Understanding Science and Technology**	
1	▲Scientific Inquiry: BIO 104	4
2	▲Quantitative Reasoning: GEL 100	4
3	▲Statistics*	3
D	**Understanding and Creating Ideas**	
1		3
2		3
3		3
	Total General Education Credits	**44**

Note: ▲ Indicates a Directed Course in General Education. Such courses are required for the major, but are used to satisfy requirements of General Education. The units for these courses count only under General Education.

Statistics Requirement:

*Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.

■1st SEMESTER CONNECTIONS ADVISING

If ENV 100 is full, enroll in CHM 100.
If BIO 104 is full, enroll in GEL 100.

If CMP 1xx is full, check for MAT courses.
Take MAT 106 if ALEKS is 61 or higher.
If ALEKS > 46 but < 61, take MAT 105

PROGRAM CODE
ULASENVGO
EFFECTIVE DATE
8/27/2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE

GEOLOGY TRACK

STUDENT NAME: :ID NUMBER

MAJOR PROGRAM

Environmental Science Core

REQUIRED COURSES	CR	GRADE
ENV 100: INTRODUCTION to ENVIRONMENTAL SCIENCE	3	
ENV 210: ENVIRONMENTAL GEOLOGY	3	
ENV 220: ENVIRONMENTAL ANALYSIS	3	
ENV 222: ENVIRONMENTAL BIOLOGY	3	
ENV 380: SENIOR SEMINAR	2	
TOTAL CREDITS 14		

Geology Track

REQUIRED COURSES	CR	GRADE
GEL 100: PHYSICAL GEOLOGY	4	
GEL 102: HISTORICAL GEOLOGY	4	
GEL 200: FIELD GEOLOGY	3	
GEL 304: STRUCTURAL GEOLOGY	4	
GEL 358: GENERAL GEOPHYSICS	3	
GEL 362: HYDROGEOLOGY	3	
GEL 2XX OR 3XX:	3/4	
GEL OR ENV 2XX OR 3XX:	3/4	
TOTAL CREDITS 27-29		

NOTES:

1. A GRADE OF C OR BETTER FOR BIO 104 IS REQUIRED TO BE COUNTED AS A PREREQUISITE.

2. PSY 11 IS A PREREQUISITE FOR PSY 200.

3. CHOICE OF COURSES MADE WITH ADVISOR FROM A LIST MAINTAINED BY ENVIRONMENTAL SCIENCE COMMITTEE.

▲ INDICATES COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY REQUIREMENTS OF GENERAL EDUCATION. THESE UNITS ARE ONLY COUNTED UNDER GENERAL EDUCATION.

Check Sheet Last Revised: 1/16/2019

CONCOMITANT COURSES

COURSE	CR	GRADE
Biology		
BIO 104: PRINCIPLES of BIOLOGY[1] (4 cr) (GE C1)	▲	
BIO 106 INTRODUCTION to ZOOLOGY ***or*** BIO 108: INTRODUCTION to BOTANY	4	
Chemistry		
CHM 100: GENERAL CHEMISTRY I (4 cr) (GE C2)	▲	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 214: ORGANIC CHEMISTRY I ***or*** CHM 204: FUNDAMENTALS of ORGANIC CHEMISTRY	4	
Geography		
GEG 010: ELEMENTS of PHYSICAL GEOGRAPHY	3	
GEG 274: INTRODUCTION to GIS	3	
Mathematics		
MAT 106: TRIGONOMETRY (3 cr) ***or*** MAT 115: PRECALCULUS (3 cr) ***or*** MAT 181: CALCULUS I (4 cr)	3/4	
MAT 140: APPLIED STATISTICS ***or*** MAT 150: INTRO to BIOSTATISTICS ***or*** PSY 200: STATS for SOCIAL & BEHAV. SCI.[2]	3	
Physics		
PHY 40: GENERAL PHYSICS I (4 cr) ***and*** (GE C3)	▲	
PHY 42: GENERAL PHYSICS II	4	
or PHY 100: PHYSICS I ***and***		
PHY 102: PHYSICS II		
Restricted Electives[3]		
(3 cr)	▲	
(3 cr)	▲	
TOTAL CREDITS 28-29		

FREE ELECTIVES

COURSE	CR	GRADE
TOTAL CREDITS 3-6		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	69		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	3-6		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

B.S. Environmental Science/Geology
Example Eight Semester Plan

ULASENVGO First Semester Suggested Advising for Connections
ENV 100 ***If ENV 100 is full, enroll in CHM 100
GEG 010 ***If GEG 010 is full, enroll in CMP 100 or COM 010
GEL 100
MAT 105, 106, 115, or 181 depending on ALEKS placement score.
FYS 100

Freshman - Fall	**Credits**	**Freshman - Spring**	**Credits**
ENV 100	3	GEL 102	4
GEG 010	3	CHM 100	4
GEL 100	4		
MAT 106	3	COM 010 (A.3.)	3
FYS 100	3	CMP 100 (A.1.)	3
Total	16	Total	14
Sophomore - Fall		**Sophomore - Spring**	
BIO 104	4	BIO 106/GEG274	4/3
PHY 040	4	ENV 220	3
A. 2.	3	PHY 042	4
CHM 102	4	Restricted D.1.	3
Total	15	B. 1.	3
		Total	17/16
Junior – Fall		**Junior – Spring**	
CHM 214	4	ENV 222	3
GEG 274/BIO108	3/4	GEL 304	4
ENV 210	3		
GEL 200	3	GEL 362	3
MAT 140	3	B. 2.	3
Total	16/17	Total	13
Senior – Fall		**Senior – Spring**	
GEL 358	3	ENV 380	2
Restricted B.3.	3	GEL Elective	3
GEL Elective	3	A. 4.	3
D. 2.	3	D. 3.	3
Free Elective	3	Free Elective	3
Total	15	Total	14
Program Total	120		

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASGENS	
EFFECTIVE DATE	GENERAL STUDIES
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Concentration */**

COURSE		CR	GRADE
TOTAL CREDITS	21		

Program Courses **

COURSE		CR	GRADE
TOTAL CREDITS	30-39		

Electives

COURSE		CR	GRADE
TOTAL CREDITS	18-27		

* CONCENTRATION MUST BE IN A SINGLE DISCIPLINE. AT LEAST 12 OF THE 21 CREDITS MUST BE 200 LEVEL OR ABOVE. AT LEAST 3 CREDITS MUST BE A CULMINATING EXPERIENCE CONSISTING OF AN INTERNSHIP, INDEPENDENT STUDY, OR SENIOR SEMINAR IN LIEU OF A COMPREHENSIVE EXAM.

** DEFINED BY PROSPECTUS APPROVED BY THE GENERAL STUDIES COMMITTEE.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		PASSED PORTFOLIO	PASS	
PROGRAM CREDITS (MINIMUM)	51-60		MINIMUM QPA OVERALL	2.0	
TOTAL CREDITS	120		MINIMUM QPA IN MAJOR	2.0	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS GENERAL STUDIES
8-Semester Planner (Version: Fall 2018)

This planner illustrates how a first-year student might complete the BS General Studies program with the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First Year (Fall)	**First Year (Spring)**
Concentration Course 1	Concentration Course 2
GE (FYS 100)	GE (C1)
GE CMP 1xx (A1)	GE (A3)
GE (B1)	GE (B2)
GE (C2)	GE (D1)
Second Year (Fall)	**Second Year (Spring)**
Concentration Course 3	Concentration Course 4
Program Course 1	Program Course 2
GE CMP 2xx (A3)	Program Course 3
GE (D2)	GE (A4)
FE 1	GE (D3)
Third Year (Fall)	**Third Year (Spring)**
Concentration Course 5	Concentration Course 6
Program Course 4	Program Course 6
Program Course 5	GE (C3)
FE 2	GE (B3)
FE 3	FE 4
Fourth Year (Fall)	**Fourth Year (Spring)**
Program Course 7	Concentration Course 7: Culminating Experience*
Program Course 8	Program Course 9
FE 5	Program Course 10
FE 6	FE 8
FE 7	FE 9

GE (XX) = General Education Plan (category)
FE = free elective, any course including courses from major discipline

* Culminating experience consists of independent study, internship, or senior seminar.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASGENPR	
EFFECTIVE DATE	GENERAL STUDIES
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

PROFESSIONAL STUDIES

STUDENT:	STUDENT ID NUMBER:

*MAJOR PROGRAM CONSISTS OF EITHER 30 CREDITS IN ONE DISCIPLINE **OR** TWO CLUSTERS OF 18 CREDITS IN TWO DIFFERENT DISCIPLINES.*

Concentration *

COURSE	CR	GRADE
TOTAL CREDITS 30		

Concentration Field One *

COURSE	CR	GRADE
TOTAL CREDITS 18		

Concentration Field Two */**

COURSE	CR	GRADE
TOTAL CREDITS 18		

Electives

COURSE	CR	GRADE

* AT LEAST 12 CREDITS OF COURSEWORK IN THE CHOSEN OPTION MUST BE AT THE 200 LEVEL OR HIGHER.

** COURSEWORK MUST BE IN A DIFFERENT DISCIPLINE FROM CONCENTRATION FIELD ONE.

STUDENTS ADMITTED TO THIS PROGRAM MUST HAVE COMPLETED AT LEAST 90 CREDITS OF UNIVERSITY COURSEWORK.

STUDENTS MUST NOT HAVE BEEN ENROLLED IN AN INSTITUTION OF HIGHER EDUCATION WITHIN THE PAST THREE YEARS.

STUDENTS MUST COMPLETE A MINIMUM OF 120 CREDITS.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		PASSED PORTFOLIO	PASS	
PROGRAM CREDITS (MINIMUM)	30-36		MINIMUM QPA OVERALL	2.0	
TOTAL CREDITS	120		MINIMUM QPA IN MAJOR	2.0	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS GENERAL STUDIES / Professional Studies
8-Semester Planner (Version: Fall 2018)
One-Field Concentration Option

This planner illustrates how a first-year student might complete the BS General Studies program with the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First Year (Fall)	**First Year (Spring)**
Concentration Area. Course 1	Concentration Area. Course 2
GE (FYS 100)	GE (C1)
GE CMP 1xx (A1)	GE (A3)
GE (B1)	GE (B2)
GE (C2)	GE (D1)
Second Year (Fall)	**Second Year (Spring)**
Concentration Area. Course 3	Concentration Area. Course 5
Concentration Area. Course 4	Concentration Area. Course 6
GE CMP 2xx (A3)	GE (A4)
GE (D2)	GE (D3)
FE 1	FE 2
Third Year (Fall)	**Third Year (Spring)**
Concentration Area. Course 7	Concentration Area. Course 8
FE 3	GE (C3)
FE 4	GE (B3)
FE 5	FE 7
FE 6	FE 8
Fourth Year (Fall)	**Fourth Year (Spring)**
Concentration Area. Course 9	Concentration Area. Course 10
FE 9	FE 13
FE 10	FE 14
FE 11	FE 15
FE 12	FE 16

GE (XX) = General Education Plan (category)
FE = free elective

BS GENERAL STUDIES / Professional Studies
8-Semester Planner (Version: Fall 2018)
Two-Field Concentration Option

This planner illustrates how a first-year student might complete the BS General Studies program with the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First Year (Fall)	**First Year (Spring)**
Field One Concentration Area. Course 1	Field One Concentration Area. Course 2
GE (FYS 100)	GE (C1)
GE CMP 1xx (A1)	GE (A3)
GE (B1)	GE (B2)
GE (C2)	GE (D1)
Second Year (Fall)	**Second Year (Spring)**
Field One Concentration Area. Course 3	Field One Concentration Area. Course 4
Field Two Concentration Area. Course 1	Field Two Concentration Area. Course 2
GE CMP 2xx (A3)	GE (A4)
GE (D2)	GE (D3)
FE 1	FE 2
Third Year (Fall)	**Third Year (Spring)**
Field One Concentration Area. Course 5	Field One Concentration Area. Course 6
Field Two Concentration Area. Course 3	Field Two Concentration Area. Course 4
FE 3	GE (C3)
FE 4	GE (B3)
FE 5	FE 6
Fourth Year (Fall)	**Fourth Year (Spring)**
Field Two Concentration Area. Course 5	Field Two Concentration Area. Course 6
FE 7	FE 11
FE 8	FE 12
FE 9	FE 13
FE 10	FE 14

GE (XX) = General Education Plan (category)
FE = free elective

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASGEOS	
EFFECTIVE DATE	GEOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
GEL 100: PHYSICAL GEOLOGY	4	
GEL 102: HISTORICAL GEOLOGY	4	
GEL 200: FIELD GEOLOGY	3	
GEL 220: MINERALOGY	4	
GEL 230: PALEONTOLOGY	3	
GEL 304: STRUCTURAL GEOLOGY	4	
GEL 316: PETROLOGY & GEOCHEMISTRY	4	
GEL 346: SEDIMENTOLOGY & STRATIGRAPHY	4	
GEL 358: GEOPHYSICS	3	
GEL 362: HYDROGEOLOGY	3	
GEL 380: SENIOR SEMINAR	2	
TOTAL CREDITS 38		

Electives

COURSE	CR	GRADE
GEL 205: PLANETARY SURFACE PROCESSES	3	
GEL 210: ENVIRONMENTAL GEOLOGY	3	
GEL 302: ECONOMIC GEOLOGY	3	
GEL 366: MARINE GEOLOGY	3	
GEL 368: RESEARCH IN GEOLOGY I	1-3	
GEL 369: RESEARCH IN GEOLOGY II	1-3	
GEL 371-373: SELECTED TOPICS	1-6	
GEL 390: INTERNSHIP IN GEOLOGY	1-4	
GEL 398: HONORS SUPPL. RESEARCH	1-3	
TOTAL CREDITS 6		

CONCOMITANT COURSES

Chemistry

CHM 100: GENERAL CHEMISTRY I	*	
CHM 102: GENERAL CHEMISTRY II	4	

Physics

PHY 40 ***OR*** PHY 100	*	
PHY 42 ***OR*** PHY 102	4	

Mathematics

OPTION 1:	MAT 181: CALCULUS I	4	
OPTION 2:	MAT 106: TRIGONOMETRY ***AND***	3	
	MAT 122: APPLIED CALCULUS	3	

Biology

BIO 104: PRINCIPLES OF BIOLOGY	*	
TOTAL CREDITS 12-14		

Free Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

COURSE	CR	GRADE
TOTAL CREDITS 18-22		

NOTE:

* INDICATES COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY GENERAL EDUCATION REQUIREMENT "UNDERSTANDING SCIENCE AND TECHNOLOGY."

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	56-58		MINIMUM QPA OVERALL	2.0	
ELECTIVES	18-22		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
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6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
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TOTAL GENERAL EDUCATION CREDITS 42-45

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First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Geology Course Plan

Freshman Fall	
Physical Geology	**4**
Chemistry 100	**4**
MAT106 Trigonometry	3
Freshman Seminar	3
	14

Freshman Spring	
Historical Geology	**4**
Chemistry 102	**4**
Calculus MAT122 or MAT181	4
Composition (100 level) General Ed.	3
	15

Sophomore Fall	
Mineralogy[1]	**4**
Physics 040/100	**4**
Speech General Ed.	3
Self and Others General Ed.	3
	14

Sophomore Spring	
Petrology/Geochemistry	**4**
Physics 042/102	**4**
Bio104	**4**
Composition (200 level) General Ed.	3
	15

Junior Fall	
Geophysics	**3**
Field Methods	**3**
Intro to GIS *(recommended elective)*	3
Free Elective	3
Communication General Ed.	3
	15

Junior Spring	
Hydrogeology	**3**
Structural Geology	**4**
Advanced GIS *(recommended elective)*	3
Self and Others General Ed.	3
Free Elective (something fun)	3
	16

Senior Fall	
Paleontology	**3**
Geology Elective	**3**
Creating Ideas General Ed.	3
Self and Others General Ed.	3
Free Electives	4
	16

Senior Spring	
Sed/Strat	**4**
Geology Elective	**3**
Geology Senior Seminar	2
Creating Ideas General Ed.	3
Creating Ideas General Ed.	3
	15

Goals:

- Average 15 credits per semester
- Take prerequisites in advance of course that require those prerequisites
- Never take more than three lab courses in one semester.

Bold = class that has a lab component (3-hour commitment in addition to regular lecture)
→ = prerequisite for this course
→ = not required, but helpful preparation for this course

[1] Mineralogy involves application of chemistry to geology, so having it under your belt early might help.

Friehauf – general geology plans
friehauf@kutztown.edu

Prerequisites

To take this course	**You *must* have this pre-requisite**
GEL102 - Historical Geology	GEL100 - Physical Geology
GEL200 - Field Geology	GEL102 - Historical Geology
GEL205 – Planetary Surface Processes	GEL100 - Physical Geology
GEL210 – Environmental Geology	GEL100 - Physical Geology
GEL220 – Mineralogy	GEL100 - Physical Geology
GEL302 – Economic Geology	GEL100 - Physical Geology
GEL304 – Structural Geology	GEL102 - Historical Geology
GEL316 – Petrology and Geochemistry	GEL220 – Mineralogy and CHM100
GEL320 - Paleontology	GEL102 - Historical Geology
GEL346 – Sedimentology and Strat.	GEL102 - Historical Geology or GEL366 Marine Geology
GEL358 – Geophysics	PHY040 or PHY100 – Physics
GEL362 – Hydrogeology	PHY040 or PHY100 – Physics + 2 Geology classes
GEL366 – Marine Geology	GEL100 - Physical Geology
PHY042 – Physics II	PHY040 or PHY100 – Physics
CHM102 – General Chemistry II	CHM100 – General Chemistry I
MAT122 or MAT181 – Applied Calculus	MAT106 – Trigonometry or MAT115 – Precalculus
MAT181 – Calculus I	MAT106 – Trigonometry or MAT115 – Precalculus

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

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2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASCSCIT	
EFFECTIVE DATE	# INFORMATION TECHNOLOGY
FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER	
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Courses

COURSE	CR	GRADE
CSC 125: DISCRETE MATH FOR CS I	3	
CSC 130: IT FUNDAMENTALS	3	
CSC 135: COMP SCI I	3	
CSC 136: COMP SCI II **OR** CSC 220: OO MULTIMEDIA PROG. **OR** CSC 223: ADVANCED SCIENTIFIC PROG.	3	
CSC 242: WEB PROGRAMMING	3	
CSC 252: UNIX SCRIPTING AND ADMINISTRATION	3	
CSC 253: IT SYSTEMS	3	
CSC 273: COMPUTING SYSTEMS INTEGRATION	3	
CSC 311: COMPUTER NETWORKS	3	
CSC 341: INFORMATION SECURITY	3	
CSC 356: INTRODUCTION TO DATABASE SYS	3	
CSC 354: SOFTWARE ENGINEERING I	3	
CSC 355: SOFTWARE ENGINEERING II	3	
TOTAL CREDITS **39**		

CS Elective Courses

18 CREDITS OF ADDITIONAL CSC COURSES, NUMBER 200 OR ABOVE AND NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS. CSC 280 AND CSC 380 CANNOT BE USED HERE.

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS **18**		

Concomitant Courses

COURSE	CR	GRADE
MAT 105: COLLEGE ALGEBRA (OR HIGHER)	3	
TOTAL CREDITS **3**		

Directed General Education

THE FOLLOWING COURSES ARE REQUIRED TO FULFILL THE INFORMATION TECHNOLOGY REQUIREMENTS AND ARE SUGGESTED TO SATISFY GENERAL EDUCATION.

COURSE	G. E.	GRADE
PHI 40: INTRO TO ETHICS	B	
MAT 140: APPLIED STATISTICS	C. 2	
TOTAL CREDITS **6**		

Free Electives

ANY COURSE CARRYING UNIVERSITY CREDIT

COURSE	CR	GRADE
TOTAL CREDITS **15-18**		

NOTE:

CONSIDER TAKING A MINOR IN AN APPLICATION DOMAIN SUCH AS MATH, PRACTICAL LEADERSHIP, ENTREPRENEURSHIP, FORENSICS STUDIES, OR ANY

CSC PREFIX COURSES BELOW 125 LEVEL, CSC 280 AND CSC 380 DO NOT COUNT TOWARD THE MAJOR REQUIREMENTS FOR A BS IN INFORMATION TECHNOLOGY (THEY CAN COUNT IN FREE ELECTIVES ONLY).

INTERNSHIP – OPTIONAL (COUNTS IN FREE ELECTIVES)
CSC 280: COOPERATIVE INTERNSHIP I (1-6 CREDITS)
CSC 380: COOPERATIVE INTERNSHIP II (1-6 CREDITS)

INTERNAL TRANSFER: 2.25 GPA REQUIRED

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM (CSC 355)	**PASS**	
PROGRAM CREDITS (MINIMUM)	**60**		MINIMUM QPA OVERALL	**2.0**	
FREE ELECTIVES	**15-18**		MINIMUM QPA IN MAJOR	**2.25**	
TOTAL CREDITS	**120**				

Eight-Semester Planner

BS Information Technology

Version: 2188

Semester I	Semester II
FYS CSC 135 CSC 130 MAT 105 or above General Education elective	CSC 136 or CSC 220 or CSC 223 CSC 125 CSC 252 General Education elective General Education elective
Semester III	**Semester IV**
CSC 253 CSC 242 MAT 140 General Education elective General Education elective	CSC 273 CSC elective PHI 40 General Education elective Free elective
Semester V	**Semester VI**
CSC 311 CSC 341 CSC elective General Education elective Free elective	CSC 356 CSC elective CSC elective General Education elective Free elective
Semester VII	**Semester VIII**
CSC 354 CSC elective General Education elective General Education elective Free elective	CSC 355 CSC elective General Education elective Free elective Free elective

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASMARBI	
EFFECTIVE DATE	MARINE SCIENCE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

BIOLOGY TRACK

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Marine Science (Notes 1-3)

COURSE	CR	GRADE
MAR 110: INTRO. TO OCEANOGRAPHY	3	
MAR 226: MARINE BIOLOGY	3	
INTENSIVE FIELD METHODS COURSE (NOTE 2)	3	
MAR 210: SOPHOMORE SEMINAR	1	
MAR 364: PHYSICAL OCEANOGRAPHY	3	
MAR 366: MARINE GEOLOGY	3	
MAR 370: RESEARCH IN MARINE SCIENCE **OR** MAR 390: INTERNSHIP IN MARINE SCIENCE	3	
MAR 380: SENIOR SEMINAR	2	
SCIENCE ELECTIVE (NOTES 1, 3)	3	
SCIENCE ELECTIVE (NOTES 1, 3)	3	
TOTAL CREDITS 27		

Required Biology (Notes 1, 2)

COURSE	CR	GRADE
BIO 224: APPLED ENVIRON. MICRO	3	
BIO / MAR ORGANISM COURSE 200 LEVEL OR ABOVE, SUCH AS BIO / MAR 342: ICHTHYOLOGY, MAR 260: MARINE INVERTEBRATES	3	
BIO / MAR ECOLOGY COURSE 200 LEVEL OR ABOVE, SUCH AS BIO / MAR: 326 MARINE ECOL OR BIO / MAR 320: PHYSIO. ECOLOGY	3	
BIO PHYSIOLOGY COURSE 200 LEVEL OR ABOVE, SUCH AS BIO 300: COMP. ANIMAL PHYSIOLOGY OR BIO / MAR 320: PHYSIOLOGICAL ECOLOGY	3	
BIO 108: BOTANY **OR** BIO ELECTIVE 200 LEVEL OR ABOVE	3	
TOTAL CREDITS 15-16		

NOTE:

** COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY GENERAL EDUCATION REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY

1. COURSES IN THIS CATEGORY MAY BE USED TO SATISFY THE MINIMUM OF 9 CREDITS` THAT MUST BE TAKEN AT THE CHINCOTEAGUE BAY FIELD STATION, WALLOPS ISLAND, VA. HOWEVER, STUDENTS ARE ENCOURAGED TO TAKE MORE COURSES AT THE CBFS TO FULFILL THE ELECTIVES IN THIS PROGRAM.

2. METHODS COURSES ARE OFFERED AT THE CBFS AND MUST BE APPROVED BY THE MARINE SCIENCE PROGRAM COORDINATOR.

3. PHYSICAL SCIENCE OR BIOLOGY COURSE AT 200 LEVEL OR ABOVE.

4. PSY 11 IS A PREREQUISITE FOR PSY 200.

CONCOMITANT COURSES

Biology

COURSE	CR	GRADE
BIO 104: PRINCIPLES OF BIOLOGY	4	
BIO 106: INTRO TO ZOOLOGY	4	

Chemistry

CHM 100: GENERAL CHEMISTRY I	**	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 214: ORGANIC CHEMISTRY I	4	
CHM 216: ORGANIC CHEM. II **OR** CHM 220: ENVIRONMENTAL ANALYSIS	3-4	

Geography

GEG 204: METEOROLOGY **OR** GEG 274: GEO. INFO. SYS. I **OR** GEG 347 REMOTE SENSING	3	

Geology

GEL 100: PHYSICAL GEOLOGY	**	

Mathematics

MAT 140: APPLIED STATISTICS **OR** PSY 200: STATS. SOC. & BEHAV. SCI (NOTE 4)	3	

Physics THESE PHYSICS COURSES HAVE MATH PREREQUISITES

PHY 40 OR PHY 100	**	
PHY 42 OR PHY 102	4	
TOTAL CREDITS 29/30		

Free Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

TOTAL CREDITS 2-4		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	71-72		MINIMUM QPA OVERALL	2.0	
ELECTIVES	2-4		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

COURSE SEQUENCING WITHIN THE MARINE SCIENCE MAJOR
Biology Track

FRESHMAN		Summer	SOPHOMORE		Summer	JUNIOR		Summer	SENIOR	
FALL	SPRING		FALL	SPRING		FALL	SPRING		FALL	SPRING
BIO 104 Principles of Biology	BIO 106 Introduction to Zoology		BIO 224 Environmental Microbiology	BIO 226 Marine Biology		BIO 326 Marine Ecology or BIO 320 Physiology Ecology	MAR 364 Physical Oceanography or MAR 366 Marine Geology		BIO 326 Marine Ecology or BIO 320 Physiology Ecology	MAR 364 Physical Oceanography or MAR 366 Marine Geology
MAR 110 Intro to Oceanography	C3 GEL 100 Physical Geology	MAR 237 Field Methods in Oceanography	C2 CHM 100 General Chemistry I	CHM 102 General Chemistry II	MAR/BIO Elective	CHM 214 Organic Chemistry I	CHM 216 Organic Chemistry II	MAR 370 or MAR 390?	BIO Elective	Science Elective
FYS 100 First Year Seminar	A1 CMP 100		MAT 140 or PSY 200 (statistics)	GIS 274 Intro to GIS*	MAR/IO Elective	BIO organism course	Science Elective		MAR 370 Research or 390 Internship	MAR 380 Senior Seminar
Math	B1 PSY 11		C1 GEG 10	D		C2 PHY 040 or 100	PHY 042 or 102		B3	D
			MAR 210 Sophomore Seminar	A2 CMP 200		A3 COM 10	B2 HEA 102		D	A4
14 cr	14 cr	3 cr	14 cr	16 cr	6 cr	17 cr	17 cr	3 cr	15 cr	14 cr

3x 3 credit summer courses at CBFS

*Requires GEG 10

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASMAROC	
EFFECTIVE DATE	MARINE SCIENCE
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

OCEANOGRAPHY TRACK

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Required Marine Science (NOTES 1-3)

COURSE	CR	GRADE
MAR 110: INTRO. TO OCEANOGRAPHY	3	
MAR 226: MARINE BIOLOGY	3	
INTENSIVE FIELD METHODS COURSE (NOTE 2)	3	
MAR 210: SOPHOMORE SEMINAR	1	
MAR 364: PHYSICAL OCEANOGRAPHY	3	
MAR 366: MARINE GEOLOGY	3	
MAR 370: RESEARCH IN MARINE SCIENCE **OR** MAR 390: INTERNSHIP IN MARINE SCIENCE	3	
MAR 380: SENIOR SEMINAR	2	
SCIENCE ELECTIVE (NOTES 1, 3)	3	
SCIENCE ELECTIVE (NOTES 1, 3)	3	
TOTAL CREDITS 27		

Physical Science (NOTES 1, 5)

COURSE	CR	GRADE
PHYSICAL SCIENCE COURSE 100 LEVEL OR HIGHER	3-4	
PHYSICAL SCIENCE 200 OR HIGHER	3-4	
PHYSICAL SCIENCE 200 OR HIGHER	3-4	
PHYSICAL SCIENCE 200 OR HIGHER	3-4	
PHYSICAL SCIENCE 220 OR HIGHER WAIVED IF FOUR 4 CREDIT CLASSES ARE TAKEN IN PHYSICAL SCIENCES	3	
SCIENCE OR MATH ELECTIVE	3	
SCIENCE OR MATH ELECTIVE	3	
TOTAL CREDITS 21-22		

NOTE:

** COURSES REQUIRED FOR THE MAJOR, BUT MAY BE USED TO SATISFY GENERAL EDUCATION REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY

1. COURSES IN THIS CATEGORY MAY BE USED TO SATISFY THE MINIMUM OF 9 CREDITS THAT MUST BE TAKEN AT THE CHINCOTEAGUE BAY FIELD STATION, WALLOPS ISLAND, VA. HOWEVER, STUDENTS ARE ENCOURAGED TO TAKE MORE COURSES AT THE CBFS TO FULFILL THE ELECTIVES IN THIS PROGRAM.

2. METHODS COURSES ARE OFFERED AT THE CBFS AND MUST BE APPROVED BY THE MARINE SCIENCE PROGRAM COORDINATOR.

3. PHYSICAL SCIENCE OR BIOLOGY COURSE AT 200 LEVEL OR ABOVE.

4. PSY 11 IS A PREREQUISITE FOR PSY 200

5. PHYSICAL SCIENCE ELECTIVE AT THE 200 LEVEL OR ABOVE OR MAT 182, 283, OR 340.

6. ZOOLOGY RECOMMENDED.

CONCOMITANT COURSES

Biology

COURSE	CR	GRADE
BIO 104: PRINCIPLES OF BIOLOGY	**	
BIO 106: INTRO TO ZOOLOGY **OR** BIO 108: INTRO TO BOTANY (NOTE 6)	4	

Chemistry

CHM 100: GENERAL CHEMISTRY I	**	
CHM 102: GENERAL CHEMISTRY II	4	

Geography

GEG 204: METEOROLOGY **OR** GEG 274: GEO. INFO. SYS. I **OR** GEG 347 REMOTE SENSING	3	

Geology

GEL 100: PHYSICAL GEOLOGY	4	

Mathematics

MAT 140: APPLIED STATISTICS **OR** PSY 200: STATS. SOC. & BEHAV. SCI (NOTE 4)	3	
MAT 181: CALCULUS I OR HIGHER	4	

Physics THESE PHYSICS COURSES HAVE MATH PREREQUISITES

PHY 40 OR PHY 100	**	
PHY 42 OR PHY 102	4	
TOTAL CREDITS 26		

Free Electives *ANY COURSE CARRYING UNIVERSITY CREDIT*

TOTAL CREDITS 1		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	74-75		MINIMUM QPA OVERALL	2.0	
ELECTIVES	1		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
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CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

COURSE SEQUENCING WITHIN THE MARINE SCIENCE MAJOR
Oceanography Track

FRESHMAN		Summer	SOPHOMORE		Summer	JUNIOR		Summer	SENIOR	
FALL	SPRING	CBFS	FALL	SPRING	CBFS	FALL	SPRING		FALL	SPRING
C1 BIO 104 Principles of Biology	BIO 106 Introduction to Zoology **or** GEG 10		BIO 106 **or** 108 (Botany) **or** GEG 10	BIO 226 Marine Biology		Physical Science Course 200 or higher	MAR 364 Physical Oceanography or MAR 366 Marine Geology		Physical Science Course 200 or higher	MAR 364 Physical Oceanography or MAR 366 Marine Geology
MAR 110 Intro to Oceanography	GEL 100 Physical Geology	MAR 237 Field Methods in Oceanography	C2 CHM 100 General Chemistry I	CHM 102 General Chemistry II	MAR/BIO Elective	Physical Science Course 200 or higher	Physical Science Course 200 or higher	MAR 370 or MAR 390?	Science or Math Elective	Science Elective
FYS 100 First Year Seminar	A1 CMP 100		Physical Science Course 100 or higher	MAT 140 or PSY 200* (statistics)	MAR Elective	GIS 274 Intro to GIS**	B2 HEA 102		MAR 370 Research or 390 Internship	MAR 380 Senior Seminar
Math (106, 115, or 181)	MAT 181 OR 182		B1	A2 CMP 200		C3 PHY 040 or 100	PHY 042 or 102		B3	D
			MAR 210 Sophomore Seminar	D		A3 COM 10			D	A4
13-14 cr	14-15 cr	3 cr	14-16 cr	16 cr	6 cr	16-18 cr	13-14 cr	3 cr	15-16 cr	14-15 cr

3x 3 credit summer courses at CBFS

*Requires PSY 11

B1 PSY 11

**Requires GEG 10

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

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B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE
ULASMATS
EFFECTIVE DATE
FALL 2018
VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

MATHEMATICS

BACHELOR OF SCIENCE

STUDENT:

STUDENT ID NUMBER:

MAJOR PROGRAM

Core Courses

COURSE	CR	GRADE
MAT 181: CALCULUS I	4	
MAT 182: CALCULUS II	4	
MAT 224: FOUNDATIONS OF HIGHER MATHEMATICS	3	
MAT 260: LINEAR ALGEBRA I	3	
MAT 283: CALCULUS III	4	
MAT 301: PROBABILITY & STATISTICS I	3	
MAT 311: ABSTRACT ALGEBRA I	3	
MAT 351: REAL ANALYSIS I	3	
MAT 380: SENIOR SEMINAR IN MATHEMATICS	3	
TOTAL CREDITS 30		

Specialization A: Applied Mathematics

REQUIRED COURSE	CR	GRADE
MAT 340: DIFFERENTIAL EQUATIONS	3	
CHOOSE THREE COURSES, AT LEAST ONE WITH **		
MAT 302: PROBABILITY & STATISTICS II **	3	
MAT 305: MATHEMATICS OF FINANCE I	3	
MAT 306: MATHEMATICS OF FINANCE II **	3	
MAT 332: NUMERICAL ANALYSIS	3	
MAT 361: OPERATIONS RESEARCH I	3	
MAT 362: OPERATIONS RESEARCH II **	3	
MAT 367: MATHEMATICAL MODELING	3	
MAT 403: ANALYSIS OF DATA SETS	3	
MAT 473: PARTIAL DIFFERENTIAL EQUATIONS **	3	
TOTAL CREDITS 12		

Specialization P: Pure Mathematics

CHOOSE FOUR COURSES, AT LEAST ONE WITH **	CR	GRADE
MAT 312: ABSTRACT ALGEBRA II **	3	
MAT 321: COMBINATORICS	3	
MAT 330: THEORY OF NUMBERS	3	
MAT 337: INTRODUCTION TO CRYPTOGRAPHY	3	
MAT 352: REAL ANALYSIS II **	3	
MAT 369: INTRODUCTION TO GRAPH THEORY	3	
MAT 400: COMPLEX VARIABLES	3	
MAT 431: TOPOLOGY	3	
MAT 460: LINEAR ALGEBRA II **	3	
TOTAL CREDITS 12		

Mathematics Electives

9 ADDITIONAL MAT CREDITS AT THE 200 LEVEL OR HIGHER, WITH AT LEAST 6 CREDITS AT THE 300 LEVEL OR HIGHER

COURSE	CR	GRADE
TOTAL CREDITS 9		

Free Electives

COURSE	CR	GRADE
TOTAL CREDITS 24-27		

Concomitant Courses

CREDITS ARE COUNTED IN GEN ED OR FREE ELECTIVES

COURSE	CR	GRADE
CSC 123 **OR** CSC 135	X	
CSC 136 OR HIGHER, **OR** MAT 210	X	

If MAT 210 is counted here, it cannot count as a Mathematics Elective above.

Required General Education Courses

LABORATORY SCIENCE SEQUENCE: CHOOSE TWO COURSES WITH SAME PREFIX	CR	GRADE
	X	
	X	

See Restrictions Below

RESTRICTIONS ON LABORATORY SCIENCE COURSES:

AST 140, 142, 205; BIO 104, 106, 108, 120, 122, 160, 216, 218, 220, 222, 224, 226; CHM 100, 102; ENV 100, 210, 220, 222; GEG 204, 304; GEL 100, 102; PHY 100, 102

CERTIFICATES (B OR BETTER IN EACH COURSE REQUIRED):

OPERATIONS RESEARCH CERTIFICATE: MAT 361 AND 362

STATISTICS CERTIFICATE: MAT 301, 302, AND 403

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
MATH CREDITS	51		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	24-27		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

Kutztown University of Pennsylvania
Suggested Course Sequence
B.S. in Mathematics

	Fall	Spring
Freshman	**MAT 181**	**MAT 182**
	FYS 100	**CSC 123 or CSC 135 (C2)**
F: 16 credits	CMP 100 (A1)	CMP 200 (A2)
S: 16 credits	Gen. Ed. Course or Free Elective	COM 10 (A3) (suggested)
	Gen. Ed. Course or Free Elective	Gen. Ed. Course or Free Elective
Sophomore	**MAT 283**	**MAT 260**
	MAT 224	**MAT 301**
F: 16-17 credits	**CSC 136+ or MAT 210**	**Lab Science (with same prefix) (C3)**
S: 15-16 credits	**Lab Science (C1)**	Gen. Ed. Course or Free Elective
	Gen. Ed. Course or Free Elective	Gen. Ed. Course or Free Elective
Junior	**MAT 351**	**MAT 311**
	Math Specialization	**Math Specialization**
F: 15 credits	**Math Elective**	**Math Elective**
S: 15 credits	CMP 207 (A4) (suggested)	Gen Ed. Course or Free Elective
	Gen Ed. Course or Free Elective	Gen Ed. Course or Free Elective
Senior	**MAT 380**	**Math Specialization**
	Math Specialization	**Math Elective**
F: 12-15 credits	Gen Ed. Course or Free Elective	Gen Ed. Course or Free Elective
S: 12 credits	Gen Ed. Course or Free Elective	Gen Ed. Course or Free Elective
	Gen Ed. Course or Free Elective	

Notes:

- Courses in Bold Print are program requirements. All other courses satisfy either the general education requirements or are free electives.
- At least 120 credits required to graduate
- Math Specialization A (Applied Mathematics):
    - Must take MAT 340
    - Choose three courses from MAT 302**, 305, 306**, 332, 361, 362**, 367, 403, 473**, at least one of which must be a course with **
- Math Specialization P (Pure Mathematics):
    - Choose four courses from MAT 312**, 321, 330, 337, 352**, 369, 400, 431, 460**, at least one of which must be a course with **
- Lab Science courses: Choose two courses with the same prefix from the following list:
  AST 140, 142, 205; BIO 104, 106, 108, 120, 122, 160, 216, 218, 220, 222, 224, 226;
  CHM 100, 102; ENV 100, 210, 220, 222; GEG 204, 304; GEL 100, 102; PHY 100, 102

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPHYS	
EFFECTIVE DATE	PHYSICS
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Core

COURSE		CR	GRADE
PHY 100: PHYSICS I		4	
PHY 102: PHYSICS II		4	
PHY 212: MODERN PHYSICS I		3	
PHY 214: MODERN PHYSICS II		3	
PHY 220: ELECTRONICS		3	
PHY 230: OPTICS		3	
PHY 245: MATHEMATICAL PHYSICS I		3	
PHY 312: CLASSICAL MECHANICS I		4	
PHY 315: ADVANCED LAB		3	
PHY 316: ELECTROMAGNETISM I		3	
PHY 327: THERMO. AND STAT. MECH.		3	
PHY 340: COMPUTATIONAL PHYSICS		3	
PHY 380: SENIOR SEMINAR		3	
TOTAL CREDITS	**42**		

Physics Track (Required)

COURSE		CR	GRADE
PHY 345: MATHEMATICAL PHYSICS II		3	
PHY 350: INSTRUMENTATION IN PHYSICS		3	
PHY 360: QUANTUM MECHANICS		3	
TOTAL CREDITS	**9**		

Physics Track (Electives)

STUDENTS MUST DISCUSS WITH THEIR ADVISORS WHICH ELECTIVES WOULD BEST SERVE THEIR FUTURE CAREER GOALS BEFORE CHOOSING THEM.

CHOOSE TWO (6 CREDITS)		CR	GRADE
PHY 290: INTRO TO NANOTECHNOLOGY		3	
PHY 314: CLASSICAL MECHANICS II		3	
PHY 318: ELECTROMAGNETISM II		3	
PHY 361: QUANTUM MECHANICS II		3	
ANY PHY COURSE ABOVE 300		3	
ANY AST COURSE ABOVE 100		3	
ANY EGR COURSE ABOVE 100		3	
GEL 358 GENERAL GEOPHYSICS (4)		4	
TOTAL CREDITS	**6**		

CONCOMITANT COURSES

Chemistry

COURSE		CR	GRADE
CHM 100: GENERAL CHEMISTRY I		*	
CHM 102: GENERAL CHEMISTRY II		4	

Mathematics

MAT 181: CALCULUS I		*	
MAT 182: CALCULUS II		4	
MAT 283: CALCULUS III		4	
MAT 340: DIFFERENTIAL EQUATIONS		3	

Biology

BIO 104: PRINCIPLES OF BIOLOGY		*	
TOTAL CREDITS	**15**		

Free Electives *CHOOSE ANY UNIVERSITY COURSE THAT COUNTS TOWARD GRADUATION*

COURSE		CR	GRADE
		3	
TOTAL CREDITS	**3**		

NOTE:

* REQUIRED FOR THE MAJOR. SATISFIES GENERAL EDUCATION REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	72		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVE CREDITS	3		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

B.S. in Physics[1]

(This document should *not* be considered as a substitute for the official program check sheet or a comprehensive discussion with your advisor. Also please refer to the program check sheet for all the footnotes, other guidelines, and requirements.)

First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 220	Electronics	3	PHY 230	Optics	3
PHY 245	Mathematical Physics I	3	PHY 312	Classical Mechanics I	4
MAT 283	Calculus III	4	MAT 340	Differential Equations	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 316	Electromagnetism I	3	PHY 327	Thermo. & Stat. Mech.	3
PHY 340	Computational Physics	3	PHY 350	Instrumentation in Physics	3
PHY 345	Mathematical Physics II	3	PHY 360	Quantum Mechanics I	3
	Physics Elective	3		*Physics Elective*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 380	Senior Seminar	3	PHY 315	Advanced Lab	3
BIO 104	Principles of Biology	4		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[1]**Courses in the Physics major are front-loaded in this plan.** It is designed with two groups of students in mind:

- Those who wish to go to graduate school in physics and want to complete most of the physics curriculum before taking the GRE-Physics Test in the Fall semester of their senior year
- Those who switch to Physics and wish to complete the major's courses in less than four years (assuming they have many gen. ed. and concomitant courses at the time of switch)

Others who wish to complete the required courses at a more even pace are urged to discuss a suitable course plan with their advisor.

B.S. in Physics[2]

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First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 245	Mathematical Physics I	3	PHY 230	Optics	3
MAT 283	Calculus III	4	PHY 312	Classical Mechanics I	4
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 220	Electronics	3	PHY 350	Instrumentation in Physics	3
PHY 316	Electromagnetism I	3		*Physics Elective*	3
PHY 340	Computational Physics	3	MAT 340	Differential Equations	3
	Physics Elective	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 345	Mathematical Physics I	3	PHY 315	Advanced Lab	3
PHY 380	Senior Seminar	3	PHY 327	Thermo. & Stat. Mech.	3
BIO 104	Principles of Biology	4	PHY 360	Quantum Mechanics I	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[2]**Courses in the Physics major are distributed more uniformly over the four years in this plan.** However, those who wish to take the GRE-Physics test in the Fall semester of their fourth year are encouraged to follow the expedited plan.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPHYAS	
EFFECTIVE DATE	PHYSICS
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

ASTRONOMY TRACK

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Core

COURSE		CR	GRADE
PHY 100: PHYSICS I		4	
PHY 102: PHYSICS II		4	
PHY 212: MODERN PHYSICS I		3	
PHY 214: MODERN PHYSICS II		3	
PHY 220: ELECTRONICS		3	
PHY 230: OPTICS		3	
PHY 245: MATHEMATICAL PHYSICS I		3	
PHY 312: CLASSICAL MECHANICS I		4	
PHY 315: ADVANCED LAB		3	
PHY 316: ELECTROMAGNETISM I		3	
PHY 327: THERMO. AND STAT. MECH.		3	
PHY 340: COMPUTATIONAL PHYSICS		3	
PHY 380: SENIOR SEMINAR		3	
TOTAL CREDITS	**42**		

Astronomy Track

COURSE		CR	GRADE
PHY 360: QUANTUM MECHANICS I		3	
AST 140: PLANETARY SCIENCE		3	
AST 142: STELLAR & GALACTIC ASTRONOMY		3	
AST 342 / PHY 342: ASTROPHYSICS		3	
ANY AST COURSE ABOVE 200		3	
TOTAL CREDITS	**15**		

CONCOMITANT COURSES

Chemistry

COURSE		CR	GRADE
CHM 100: GENERAL CHEMISTRY I		*	
CHM 102: GENERAL CHEMISTRY II		4	

Mathematics

MAT 181: CALCULUS I		*	
MAT 182: CALCULUS II		4	
MAT 283: CALCULUS III		4	
MAT 340: DIFFERENTIAL EQUATIONS		3	

Biology

BIO 104: PRINCIPLES OF BIOLOGY		*	
TOTAL CREDITS	**15**		

Free Electives *CHOOSE ANY UNIVERSITY COURSE THAT COUNTS TOWARD GRADUATION*

COURSE		CR	GRADE
		3	
TOTAL CREDITS	**3**		

NOTE:

* REQUIRED FOR THE MAJOR. SATISFIES GENERAL EDUCATION REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**72**		MINIMUM QPA OVERALL	**2.0**	
FREE ELECTIVE CREDITS	**3**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

B.S. in Physics / Astronomy[1]

(This document should *not* be considered as a substitute for the official program check sheet or a comprehensive discussion with your advisor. Also please refer to the program check sheet for all the footnotes, other guidelines, and requirements.)

First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3	AST 142	Stellar & Galactic Astronomy	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 245	Mathematical Physics I	3	PHY 230	Optics	3
AST 140	Planetary Science	3	PHY 312	Classical Mechanics I	4
MAT 283	Calculus III	4	MAT 340	Differential Equations	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 220	Electronics	3	PHY 327	Thermo. & Stat. Mech.	3
PHY 316	Electromagnetism I	3	PHY 360	Quantum Mechanics I	3
PHY 340	Computational Physics	3		*Astronomy Elective*	3
AST 342	Astrophysics	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 380	Senior Seminar	3	PHY 315	Advanced Lab	3
BIO 104	Principles of Biology	4		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[1]**Courses in the Physics major are front-loaded in this plan.** It is designed with two groups of students in mind:

- Those who wish to go to graduate school in physics and want to complete most of the physics curriculum before taking the GRE-Physics Test in the Fall semester of their senior year
- Those who switch to Physics and wish to complete the major's courses in less than four years (assuming they have many gen. ed. and concomitant courses at the time of switch)

Others who wish to complete the required courses at a more even pace are urged to discuss a suitable course plan with their advisor.

B.S. in Physics / Astronomy[2]

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First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3	AST 142	Stellar & Galactic Astronomy	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 245	Mathematical Physics I	3	PHY 312	Classical Mechanics I	4
AST 140	Planetary Science	3		*Astronomy Elective*	3
MAT 283	Calculus III	4		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 316	Electromagnetism I	3	PHY 230	Optics	3
PHY 340	Computational Physics	3	PHY 360	Quantum Mechanics I	3
AST 342	Astrophysics	3	MAT 340	Differential Equations	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 220	Electronics	3	PHY 315	Advanced Lab	3
PHY 380	Senior Seminar	3	PHY 327	Thermo. & Stat. Mech.	3
BIO 104	Principles of Biology	4		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[2]**Courses in the Physics major are distributed more uniformly over the four years in this plan.** However, those who wish to take the GRE-Physics test in the Fall semester of their fourth year are encouraged to follow the expedited plan.

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPHYEP	
EFFECTIVE DATE	PHYSICS
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

ENGINEERING PHYSICS TRACK

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Core

COURSE		CR	GRADE
PHY 100: PHYSICS I		4	
PHY 102: PHYSICS II		4	
PHY 212: MODERN PHYSICS I		3	
PHY 214: MODERN PHYSICS II		3	
PHY 220: ELECTRONICS		3	
PHY 230: OPTICS		3	
PHY 245: MATHEMATICAL PHYSICS I		3	
PHY 312: CLASSICAL MECHANICS I		4	
PHY 315: ADVANCED LAB		3	
PHY 316: ELECTROMAGNETISM I		3	
PHY 327: THERMO. AND STAT. MECH.		3	
PHY 340: COMPUTATIONAL PHYSICS		3	
PHY 380: SENIOR SEMINAR		3	
TOTAL CREDITS	**42**		

Engineering Physics Track

COURSE		CR	GRADE
PHY 350: INSTRUMENTATION IN PHYSICS		3	
EGR 121: DRAWING AND LETTERING		3	
EGR 130: ENGINEERING MECHANICS		3	
EGR 230:STRENGTH OF MATERIALS		3	
EGR 330: FLUID MECHANICS		3	
TOTAL CREDITS	**15**		

CONCOMITANT COURSES

Chemistry

COURSE		CR	GRADE
CHM 100: GENERAL CHEMISTRY I		*	
CHM 102: GENERAL CHEMISTRY II		4	

Mathematics

MAT 181: CALCULUS I		*	
MAT 182: CALCULUS II		4	
MAT 283: CALCULUS III		4	
MAT 340: DIFFERENTIAL EQUATIONS		3	

Biology

BIO 104: PRINCIPLES OF BIOLOGY		*	
TOTAL CREDITS	**15**		

Free Electives *CHOOSE ANY UNIVERSITY COURSE THAT COUNTS TOWARD GRADUATION*

COURSE		CR	GRADE
		3	
TOTAL CREDITS	**3**		

NOTE:

* REQUIRED FOR THE MAJOR. SATISFIES GENERAL EDUCATION REQUIREMENT UNDERSTANDING SCIENCE AND TECHNOLOGY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**72**		MINIMUM QPA OVERALL	**2.0**	
FREE ELECTIVE CREDITS	**3**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

B.S. in Physics / Engineering Physics[1]

(This document should *not* be considered as a substitute for the official program check sheet or a comprehensive discussion with your advisor. Also please refer to the program check sheet for all the footnotes, other guidelines, and requirements.)

First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3	EGR 121	Drawing and Lettering	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 220	Electronics	3	PHY 230	Optics	3
PHY 245	Mathematical Physics I	3	PHY 312	Classical Mechanics I	4
EGR 130	Engineering Mechanics	3	EGR 230	Strength of Materials	3
MAT 283	Calculus III	4	MAT 340	Differential Equations	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 316	Electromagnetism I	3	PHY 350	Instrumentation in Physics	3
PHY 340	Computational Physics	3	EGR 330	Fluid Mechanics	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 380	Senior Seminar	3	PHY 315	Advanced Lab	3
BIO 104	Principles of Biology	4	PHY 327	Thermo. & Stat. Mech.	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[1]**Courses in the Physics major are front-loaded in this plan.** It is designed with two groups of students in mind:

- Those who wish to go to graduate school in physics and want to complete most of the physics curriculum before taking the GRE-Physics Test in the Fall semester of their senior year
- Those who switch to Physics and wish to complete the major's courses in less than four years (assuming they have many gen. ed. and concomitant courses at the time of switch)

Others who wish to complete the required courses at a more even pace are urged to discuss a suitable course plan with their advisor.

B.S. in Physics / Engineering Physics[2]

(This document should *not* be considered as a substitute for the official program check sheet or a comprehensive discussion with your advisor. Also please refer to the program check sheet for all the footnotes, other guidelines, and requirements.)

First Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 100	Physics I	4	PHY 102	Physics II	4
MAT 181	Calculus I	4	MAT 182	Calculus II	4
CHM 100	General Chemistry I	4	CHM 102	General Chemistry II	4
FYS 100	*First Year Seminar*	3	EGR 121	Drawing and Lettering	3
		15			**15**

Second Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 245	Mathematical Physics I	3	PHY 230	Optics	3
EGR 130	Engineering Mechanics	3	PHY 312	Classical Mechanics I	4
MAT 283	Calculus III	4	EGR 230	Strength of Materials	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		16			**16**

Third Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 212	Modern Physics I	3	PHY 214	Modern Physics II	3
PHY 220	Electronics	3	PHY 350	Instrumentation in Physics	3
PHY 340	Computational Physics	3	MAT 340	Differential Equations	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		15			**15**

Fourth Year

Fall			**Spring**		
Number	**Title**	**Credits**	**Number**	**Title**	**Credits**
PHY 316	Electromagnetism I	3	PHY 315	Advanced Lab	3
PHY 380	Senior Seminar	3	PHY 327	Thermo. & Stat. Mech.	3
BIO 104	Principles of Biology	4	EGR 330	Fluid Mechanics	3
	Gen. Ed. and Free Electives	3		*Gen. Ed. and Free Electives*	3
		13		*Gen. Ed. and Free Electives*	3
					15

Gen. Ed. and Free Electives

A.1	
A.2	
A.3	
A.4	
B.1	
B.2	
B.3	
D.1	
D.2	
D.3	
Free Elective	

[2]**Courses in the Physics major are distributed more uniformly over the four years in this plan.** However, those who wish to take the GRE-Physics test in the Fall semester of their fourth year are encouraged to follow the expedited plan.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPSY	
EFFECTIVE DATE	PSYCHOLOGY
FALL 2018	
VERSION NUMBER	BACHELOR OF SCIENCE
2188	

STUDENT :	STUDENT ID NUMBER :

MAJOR PROGRAM

Psychology Core

COURSE		CR	GRADE
PSY 11: GENERAL PSYCHOLOGY *(C or better is required)*		3	
PSY 200: STATISTICS FOR SOCIAL & BEHAVIORAL SCIENCES *(C or better is required)*		3	
PSY 270: EXPERIMENTAL PSYCHOLOGY *(C or better is required)*		3	
PSY 310: PRINCIPLES OF MEASUREMENT		3	
PSY 379: HISTORY & SYSTEMS		3	
PSY 380: SENIOR SEMINAR		3	
TOTAL CREDITS	**18**		

Developmental Psychology

CHOOSE ONE COURSE		CR	GRADE
PSY 110: CHILD PSYCHOLOGY		3	
PSY 120: ADOLESCENT PSYCHOLOGY		3	
PSY 125: LIFESPAN DEVELOPMENT		3	
TOTAL CREDITS	**3**		

Social & Individual Awareness

CHOOSE ONE COURSE		CR	GRADE
PSY 202: PSYCHOLOGY OF PERSONALITY		3	
PSY 240: SOCIAL PSYCHOLOGY		3	
PSY 250: ABNORMAL PSYCHOLOGY		3	
TOTAL CREDITS	**3**		

Learning & Cognition

CHOOSE ONE COURSE		CR	GRADE
PSY 311: LEARNING, MOTIVATION & EMOTION			
PSY 340: COGNITIVE PSYCHOLOGY			
TOTAL CREDITS	**3**		

Biopsychology

CHOOSE ONE COURSE		CR	GRADE
PSY 312: SENSATION & PERCEPTION			
PSY 325: PHYSIOLOGICAL PSYCHOLOGY			
PSY 332: NEUROPSYCHOLOGY			
TOTAL CREDITS	**3**		

Psychology Electives

COURSE		CR	GRADE
PSY:		3	
PSY:		3	
PSY:		3	
PSY 300 OR ABOVE:		3	
TOTAL CREDITS	**12**		

Concomitant Courses

100 LEVEL AND ABOVE NON PSY COURSES		CR	GRADE
		3	
		3	
		3	
TOTAL CREDITS	**9**		

Free Electives *9 CREDITS CAN BE PSY, MAXIMUM OF 27 CREDITS*

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**27**		

REQUIREMENTS:

1. PREREQUISITE OF MATH 17 OR HIGHER REQUIRED FOR PSY 200.

2. PSY 11 IS REQUIRED FOR ALL OTHER PSY COURSES

3. PREREQUISITE OF PSY 200 IS REQUIRED FOR PSY 270 AND ALL 300 LEVEL COURSES.

4. A GRADE OF C OR BETTER IS REQUIRED FOR PSY 011, PSY 200, AND PSY 270.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**51**		MINIMUM QPA OVERALL	**2.0**	
FREE ELECTIVES	**27**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1		
2	COMPOSITION 200 LEVEL	CMP 2		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS Psychology Effective Fall 2018

FIRST YEAR			
Fall Semester		***Spring Semester***	
Course	***Credits***	***Course***	***Credits***
PSY011* (required for all other PSY courses	3	PSY110, 120, or 125	3
MAT017 or higher*^	3	PSY200**	3
FYS	3	GE II. A - CMP2xx	3
GE II. A - CMP1xx	3	GE II. B	3
Free Elective (Area E)	3	Free Elective (Area E)	3
Total	15		15

SECOND YEAR			
Fall Semester		***Spring Semester***	
Course Title	***Credits***	***Course***	***Credits***
PSY270*	3	PSY310	3
PSY202, 240, or 250	3	PSY311 or 340	3
GE II. A (Speaking)	3	GE II. B	3
GE II. B	3	GE II. C	3
GE II. C	3	Concomitant (Area D)	3
Total	15		15

THIRD YEAR			
Fall Semester		***Spring Semester***	
Course Title	***Credits***	***Course***	***Credits***
PSY312, 325, or 332	3	PSYxxx	3
PSYxxx	3	PSYxxx	3
GE II .C		GE. II. D	
GE II. D		GE. II. D	
Concomitant (Area D)		Concomitant (Area D)	
Total	15		15

FORTH YEAR				
Fall Semester		***Spring Semester***		
Course Title	***Credits***	***Course***	***Title***	***Credits***
PSYxxx	3	PSY379	History/Systems	3
PSYxxx	3	PSY380	Senior Seminar	3
PSY3xx	3	PSYxxx		3
Free Elective (Area E)	3	Free Elective (Area E)		3
Free Elective (Area E)	3	Free Elective (Area E)		3
Total	15			15

* C or better required. Required for all other courses.

*^ Required for PSY200

** C or better required. Required for PSY270 and all 300-level courses

This is to be used as an example of course curriculum, not as a requirement. As long as you have the prerequisites for a given course, you are welcome to enroll in that course. As a simple example, it is permissable to take PSY380 in the Fall of your 4th year.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPSYPL	
EFFECTIVE DATE	PSYCHOLOGY
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

PARALEGAL STUDIES

STUDENT : **STUDENT ID NUMBER :**

MAJOR PROGRAM

Psychology Core

COURSE	CR	GRADE
PSY 11: GENERAL PSYCHOLOGY *(C or better is required)*	3	
PSY 200: STATISTICS FOR SOCIAL & BEHAVIORAL SCIENCES *(C or better is required)*	3	
PSY 270: EXPERIMENTAL PSYCHOLOGY *(C or better is required)*	3	
PSY 310: PRINCIPLES OF MEASUREMENT	3	
PSY 379: HISTORY & SYSTEMS	3	
PSY 380: SENIOR SEMINAR	3	
TOTAL CREDITS 18		

Developmental Psychology

CHOOSE ONE COURSE	CR	GRADE
PSY 110: CHILD PSYCHOLOGY	3	
PSY 120: ADOLESCENT PSYCHOLOGY	3	
PSY 125: LIFESPAN DEVELOPMENT	3	
TOTAL CREDITS 3		

Social & Individual Awareness

CHOOSE ONE COURSE	CR	GRADE
PSY 202: PSYCHOLOGY OF PERSONALITY	3	
PSY 240: SOCIAL PSYCHOLOGY	3	
PSY 250: ABNORMAL PSYCHOLOGY	3	
TOTAL CREDITS 3		

Learning & Cognition

CHOOSE ONE COURSE	CR	GRADE
PSY 311: LEARNING, MOTIVATION & EMOTION	3	
PSY 340: COGNITIVE PSYCHOLOGY	3	
TOTAL CREDITS 3		

Biopsychology

CHOOSE ONE COURSE	CR	GRADE
PSY 312: SENSATION & PERCEPTION	3	
PSY 325: PHYSIOLOGICAL PSYCHOLOGY	3	
PSY 332: NEUROPSYCHOLOGY	3	
TOTAL CREDITS 3		

REQUIREMENTS:

1. PREREQUISITE OF MATH 17 OR HIGHER REQUIRED FOR PSY 200.
2. PSY 11 IS REQUIRED FOR ALL OTHER PSY COURSES
3. PREREQUISITE OF PSY 200 IS REQUIRED FOR PSY 270 AND ALL 300 LEVEL COURSES.
4. A GRADE OF C OR BETTER IS REQUIRED FOR PSY 011, PSY 200, AND PSY 270.

Psychology Electives

COURSE	CR	GRADE
PSY:	3	
PSY:	3	
PSY:	3	
TOTAL CREDITS 9		

Paralegal Studies

COURSE	CR	GRADE
PLG 120: INTRO TO PARALEGAL STUDIES	3	
PLG 150: TORTS & PERSONAL INJURY	3	
PLG 200: CIVIL LITIGATION & PROCEDURE	3	
PLG 215: LAW OFFICE MANAGEMENT	3	
PLG 220: CONTRACT LAW AND BUSINESS ORGANIZATION LAW	3	
PLG 245: LEGAL RESEARCH AND WRITING	3	
TOTAL CREDITS 18		

Paralegal Electives

CHOOSE ONE COURSE	CR	GRADE
PLG 105: LAW OFFICE TECHNOLOGY	3	
PLG 125 + 135: WORKERS' COMP. PRACTICE AND INTERVIEWING	2+1	
PLG 130 + 135: SOC. SEC. DISAB. PRACTICE AND INTERVIEWING	2+1	
PLG228: IMMIGRATION LAW	3	
PLG 230: ESTATES & TRUSTS	3	
PLG 235: FAMILY LAW	3	
PLG 240: BANKRUPTCY LAW	3	
PLG 250: LEGAL INTERNSHIP	3	
PLG 255: LEGAL WRITING	3	
TOTAL CREDITS 3		

Free Electives *ONLY 12 CREDITS CAN BE PSY COURSES*

COURSE	CR	GRADE
Can be PSY	3	
Can be PSY	3	
Can be PSY	3	
Can be PSY	3	
	3	
TOTAL CREDITS 15		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	60		MINIMUM QPA OVERALL	2.0	
FREE ELECTIVES	15		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1		
2	COMPOSITION 200 LEVEL	CMP 2		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS Psychology Paralegal Effective Fall 2018

FIRST YEAR			
Fall Semester		***Spring Semester***	
Course	***Credits***	***Course***	***Credits***
PSY011* (required for all oth	3	PSY110, 120, or 125	3
MAT017 or higher*^	3	PSY200**	3
FYS	3	GE II. A - CMP2xx	3
GE II. A - CMP1xx	3	GE II. B	3
PLG120	3	PLG150	3
Total	15		15

SECOND YEAR			
Fall Semester		***Spring Semester***	
Course Title	***Credits***	***Course***	***Credits***
PSY270*	3	PSY202 or 240 or 250	3
PSY217	3	PSY311 or 340	3
GE II. A (Speaking)	3	GE II. B	3
PLG200	3	GE II. C	3
GE II. C	3	PLG215	3
Total	15		15

THIRD YEAR			
Fall Semester		***Spring Semester***	
Course Title	***Credits***	***Course***	***Credits***
PSY312, 325, or 332	3	PSYxxx	3
PSYxxx	3	PSYxxx	3
GE II .C		GE. II. D	
GE II. D		GE. II. D	
PLG220		PLG245	
Total	15		15

FORTH YEAR			
Fall Semester		***Spring Semester***	
Course Title	***Credits***	***Course Title***	***Credits***
GE II. B	3	PSY379 History/Syster	3
PLG Elective (see major gric	3	PSY380 Senior Semin	3
Free Elective (Area E)	3	Free Elective (Area E)	3
Free Elective (Area E)	3	Free Elective (Area E)	3
Free Elective (Area E)	3	Free Elective (Area E)	3
Total	15		15

* C or better required. Required for all other courses.

*^ Required for PSY200

** C or better required. Required for PSY270 and all 300-level courses

This is to be used as an example of course curriculum, not as a requirement. As long as you have the prerequisites for a given course, you are welcome to enroll in that course. As a simple example, it is permissable to take PSY380 in the Fall of your 4th year.

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPUB	
EFFECTIVE DATE	PUBLIC ADMINISTRATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- 48 credit hours

Required Courses

COURSE	CR	GRADE
POL 10: AMERICAN GOVERNMENT OR POL 50: STATE & LOCAL GOVERNMENT	3	
POL 101: SOC. RESEARCH DESIGN & WRITING	3	
POL 115: PUBLIC ADMINISTRATION	3	
POL 201: EMPIRICAL POLITICAL ANALYSIS	3	
POL 225: PLANNING & DECISION MAKING	3	
POL 346: PUB. BUDGETING & FIS. MGMT.	3	
POL 347: HUMAN RESOURCE MGMT.	3	
POL 381: SENIOR SEMINAR	3	
POL 390: GOVERNMENT INTERNSHIP	12	
POL 425: PUBLIC POLICY MAKING	3	
TOTAL CREDITS 39		

PROGRAM ELECTIVES

COURSE	CR	GRADE
POL	3	
POL	3	
TOTAL CREDITS 6		

FREE ELECTIVES

COURSE	CR	GRADE
TOTAL CREDITS 30		

CONCOMITANT COURSES

CONCOMITANT COURSES

COMPUTER LITERACY (ANY CSC, BUS 171, GEG 274, OR GEG 333)

COURSE	CR	GRADE
TOTAL CREDITS 3		

Notes:

ANY REQUIRED COURSES, MAJOR ELECTIVES OR CONCOMITANT COURSES TAKEN AS PART OF GENERAL EDUCATION MAY BE CROSS-LISTED TO MEET REQUIREMENTS UNDER REQUIRED COURSES AND COCOMITANT COURSES. HOWEVER, DO NOT COUNT THE CREDIT HOURS TWICE IN THE CALCULATION OF THE 120 CR MINIMUM FOR THE DEGREE. SEMESTER HOUR DEFICIENCIES RESULTING FROM SUCH CROSS-LISTING OF COURSES MAY BE MADE UP BY INCREASING THE CREDIT HOURS IN FREE ELECTIVES.

PLEASE SELECT THE CONCOMITANT COURSES IN COMPUTER LITERACY IN CONSULTATION WITH YOUR ADVISOR.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS	
PROGRAM CREDITS (MINIMUM)	48		MINIMUM QPA OVERALL	2.0	
ELECTIVES	30		MINIMUM QPA IN MAJOR	2.0	
TOTAL CREDITS	120				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS Public Administration
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Political Science program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	POL 50 (ME)
POL 10 (MR)	ANT 10 (FE)
COM 10 (GE A1)	CMP 200 (GE A3)
CMP 100 (GE A2)	GEG 20 (GE B)
ANT 20 (GE C1)	HIS 14 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
POL 115 (MR)	POL 225 (MR)
CSC 10 (MC)	PHI 40 (GE B)
HIS 25 (GE B)	CMP 207 (GE A4)
PHI 20 (GE C2)	MAT 140 (GE C3)
HIS 15 (GE D)	PHI 30 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
POL 101 (MR)	POL 201 (MR)
POL 140 (ME)	POL 346 (MR)
SOC 10 (FE)	POL 347 (MR)
SWK 100 (FE)	BUS 171 (FE)
PHI 10 (FE)	ENG 100 (FE)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
POL 381 (MR)	POL 390 (MR)
POL 425 (MR)	GEG 310 (FE)
GEG 110 (FE)	
GEG 220 (FE)	
GEG 223 (FE)	

GE (XX) = General Education Plan (category)
MR = required major course
ME = elective major course (must be POL)
MC = concomitant course for major
FE = free elective, any course including POL

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASPUBPL	
EFFECTIVE DATE	PUBLIC ADMINISTRATION
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

PARALEGAL STUDIES

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- 60 credit hours

Required Courses

COURSE		CR	GRADE
POL 101: SOC. RESEARCH DESIGN & WRITING		3	
POL 115: PUBLIC ADMINISTRATION		3	
POL 201: EMPIRICAL POLITICAL ANALYSIS		3	
POL 225: PLANNING & DECISION MAKING		3	
POL 346: PUB. BUDGETING & FIS. MGMT.		3	
POL 347: HUMAN RESOURCE MGMT.		3	
POL 381: SENIOR SEMINAR		3	
POL 390: GOVERNMENT INTERNSHIP		12	
POL 425: PUBLIC POLICY MAKING		3	
TOTAL CREDITS	**36**		

PROGRAM ELECTIVES

COURSE		CR	GRADE
POL OR PLG		3	
TOTAL CREDITS	**3**		

PARALEGAL STUDIES

COURSE		CR	GRADE
PLG 120: INTRO TO PARALEGAL STUDIES		3	
PLG 150: TORTS AND PERSONAL INJURY		3	
PLG 200: CIVIL LITIGATION PROCEDURE		3	
PLG 215: LAW OFFICE MANAGEMENT		3	
PLG 220: CONTRACT LAW & BUS ORG.		3	
PLG 245: LEGAL RESEARCH & WRITING		3	
SELECT THREE CREDITS FROM THE FOLLOWING COURSES:			
PLG 125: WORKERS COMP. PRACTICE		2	
PLG 130: SOCIAL SECURITY DIABILITY PRACTICE		2	
PLG 135: INTERVIEWING FOR PARALEGALS		1	
PLG: 230: ESTATES & TRUSTS		3	
PLG 235: FAMILY LAW		3	
PLG 240: BANKRUPTCY LAW		3	
PLG 250: LEGAL INTERNSHIP		3	
PLG 255: LEGAL WRITING		3	
TOTAL CREDITS	**21**		

FREE ELECTIVES

COURSE		CR	GRADE
TOTAL CREDITS	**18**		

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**60**		MINIMUM QPA OVERALL	**2.0**	
ELECTIVES	**18**		MINIMUM QPA IN MAJOR	**2.0**	
TOTAL CREDITS	**120**				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BS Public Administration w/ Paralegal Studies
8 Semester Planner (v. Fall 2018)

This planner illustrates how a first-year student might complete the BA Political Science program w/ the 2018 General Education plan in four years (8 semesters). The planner assumes the student completes 15 credits per term. Individual plans will vary, so students should discuss their specific course plan with their academic adviser.

First-Year (Fall)	**First-Year (Spring)**
FYS 100 (GE)	POL 50 (MR)
POL 10 (MR)	ANT 10 (FE)
COM 10 (GE A1)	CMP 200 (GE A3)
CMP 100 (GE A2)	GEG 20 (GE B)
ANT 20 (GE C1)	HIS 14 (GE D)
Second-Year (Fall)	**Second-Year (Spring)**
POL 115 (MR)	POL 225 (MR)
CSC 10 (MC)	PHI 40 (GE B)
HIS 25 (GE B)	CMP 207 (GE A4)
PHI 20 (GE C2)	MAT 140 (GE C3)
HIS 15 (GE D)	PHI 30 (GE D)
Third-Year (Fall)	**Third-Year (Spring)**
POL 101 (MR)	POL 201 (MR)
POL 140 (ME)	POL 346 (ME)
PLG 120 (MR)	POL 347 (MR)
PLG 150 (MR)	PLG 200 (MR)
SWK 100 (FE)	PLG 215 (MR)
Fourth-Year (Fall)	**Fourth-Year (Spring)**
POL 381 (MR)	POL 390 (MR, 12 credit internship)
PLG 245 (MR)	PLG 220 (MR)
PLG 230 (MR)	
BUS 171 (FE)	
GEG 110 (FE)	

GE (XX) = General Education Plan (category)
MR = required major course
ME = elective major course (must be POL)
FE = free elective, any course including POL

PROGRAM CODE	COLLEGE OF LIBERAL ARTS AND SCIENCES
ULASENGPR	
EFFECTIVE DATE	# Public Relations
FALL 2018	
VERSION NUMBER	*BACHELOR OF SCIENCE*
2188	

STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM

Writing and Design

COURSE		CR	GRADE
WRI 111: JOURNALISM I		3	
WRI 216: WRITING FOR PUBLIC RELATIONS		3	
WRI 226: DESKTOP PUBLISHING: WRITING & EDITING NEWSLETTERS		3	
COM 319: INTEGRATED MARKETING COMMUNICATION		3	
TOTAL CREDITS	**12**		

Technique

COURSE		CR	GRADE
COM 170: INTRODUCTION TO PUBLIC RELATIONS		3	
COM 235: PR CASES & CAMPAIGNS		3	
COM 241: PR PROCESSES & TECHNIQUES		3	
PRS 310: RESEARCH FOR PUBLIC RELATIONS		3	
PRS 250: PUBLIC RELATIONS ETHICS & LAW		3	
TOTAL CREDITS	**15**		

Professionalization

COURSE		CR	GRADE
PRS 380: THE AGENCY EXPERIENCE, PART ONE		3	
PRS 381: THE AGENCY EXPERIENCE, PART TWO		3	
PRS 390: INTERNSHIP IN PUBLIC RELATIONS		3	
TOTAL CREDITS	**9**		

Electives *SELECT ANY TWO COURSES WITH COM, MKT, PRS, OR WRI PREFIX*

COURSE		CR	GRADE
		3	
		3	
TOTAL CREDITS	**6**		

University Free Electives

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**27**		

CONCOMITANT COURSES

Diversity Concomitant *CHOOSE ANY THREE COURSES FROM BELOW. OTHER COURSES MAY BE USED TO FULFILL REQUIREMENT WITH PERMISSION OF THE PR PROGRAM DIRECTORS*

ANT/SOC 213: WORLD RELIGIONS
ANT 215: GENDERS ACROSS CULTURES
ANT/SOC 241: RACE & ETHNICITY
ANT 245: LANGUAGE & IDENTITY
ANT/PSY 290: CULTURE & PERSONALITY
ENG 132: CONTEMPORARY GAY & LESBIAN LITERATURE
ENG 137: EXPERIENCES IN AFRICAN AMERICAN LITERATURE
ENG 234: ETHNIC AMERICAN LITERATURE
ENG 238: AFRICAN DIASPORIC LITERATURE
ENG/WGS 323: NATIVE AMERICAN WOMEN WRITERS
HIS 150: MINORITIES IN AMERICAN HISTORY
HIS 225: A HISTORY OF THE JEWISH PEOPLE IN MODERN TIMES
HIS 240: AFRICAN AMERICAN HISTORY
HIS 256: THE MODERN MIDDLE EAST
PHI 40: INTRO TO ETHICS
PHI 60: INTRO TO RELIGIOUS ETHICS
PHI 113: ENVIRONMENTAL PHILOSOPHY
PSY 208: PSYCHOLOGY OF GENDER
PSY 217: PSYCHOLOGY AND THE LAW
PSY 220: INDUSTRIAL / ORGANIZATIONAL PSYCHOLOGY
PSY 240: SOCIAL PSYCHOLOGY
SOC 207: FAMILIES & SOCIAL CLASS
SOC/WGS 217: LGBTQ STUDIES
SOC 235: SOCIOLOGY OF GENDER
WGS 10: INTRO TO WOMEN'S STUDIES
WGS 130: INTERPERSONAL COMMUNICATION
WGS 271: SEXUALITIES & COMMUNICATION IN EVERYDAY LIFE
WGS 285: GENDER COMMUNICATION
WGS 329: FEMINIST AND GENDER THEORIES

COURSE		CR	GRADE
		3	
		3	
		3	
TOTAL CREDITS	**9**		

REQUIREMENTS:

1. STUDENTS MUST HAVE AN AVERAGE GPA OF 2.5 AMONG THE MAJOR COURSES TO REMAIN IN THE MAJOR.
2. COURSE SUBSTITUTIONS REQUIRE WRITTEN PERMISSION FROM THE DEAN OF LIBERAL ARTS & SCIENCES.
3. PUBLIC RELATIONS MAJORS MAY NOT DECLARE A PUBLIC RELATIONS MINOR.
4. STUDENTS MUST COMPLETE ANY PREREQUISITES BEFORE ENROLLING IN A COURSE.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM	**PASS**	
PROGRAM CREDITS (MINIMUM)	**51**		MINIMUM QPA OVERALL	**2.0**	
FREE ELECTIVES	**27**		MINIMUM QPA IN MAJOR	**2.5**	
TOTAL CREDITS	**120**				

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

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TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Bachelor of Science in Public Relations
Eight Semester Planner

First Year

Fall 1

____	3	GE: COM 010 Fundamentals of Oral Communication
____	3	GE: College Composition
____	3	GE: II.C.2
____	3	GE: FYS
____	3	GE: (11.B)
Total 15		

Spring 1

____	3	WRI 211 Journalism
____	3	COM 170 Intro to PR
____	3	GE: II.B
____	3	GE: II.A.4
____	3	Free Elective
Total 15		

Second Year

Fall 2

____	3	COM 241 Public Relations: Processes & Techniques
____	3	GE: CMP 200
____	3	WRI 226 Desktop Publishing: Writing & Editing
____	3	GE: II.C.1
____	3	Free Elective
Total 15		

Spring 2

____	3	COM 235 Public Relations Cases & Campaigns
____	3	WRI 216 Writing for Public Relations
____	3	GE: II.C.3
____	3	GE: II.B
____	3	Free Elective
Total 15		

Third Year

Fall 3

____	3	COM 319 Integrated Marketing Communication
____	3	COM/WRI Elective
____	3	GE: II.D
____	3	GE: II.D
____	3	Free Elective
Total 15		

Spring 3

____	3	PRS 310 Public Relations Research
____	3	PRS 250 Media Ethics & Law for Public Relations
____	3	GE: II.D
____	3	Concomitant 1
____	3	Free Elective
Total 15		

Fourth Year

Fall 4

____	3	PRS 380 The Agency Experience, Part One
____	3	COM/WRI elective
____	3	Concomitant 2
____	3	Free Elective
____	3	Free Elective
Total 15		

Spring 4

____	3	PRS 381 The Agency Experience, Part Two
____	3	PRS 390 Public Relations Internship
____	3	Concomitant 3
____	3	Free Elective
____	3	Free Elective
Total 15		

PROGRAM CODE
ULASSWKW

EFFECTIVE DATE
FALL 2018

VERSION NUMBER
2188

COLLEGE OF LIBERAL ARTS AND SCIENCES

SOCIAL WORK

BACHELOR OF SOCIAL WORK

STUDENT:

STUDENT ID NUMBER:

MAJOR PROGRAM

Introductory Courses

COURSE		CR	GRADE
SWK 100: INTRO. SWK, SOC. WELFARE		3	
SWK 130: POVERTY, SOCIAL WELFARE		3	
SWK 160: HBSE		3	
SWK 200: PROFESSIONAL CONTEXT		3	
TOTAL CREDITS	**12**		

Practice Courses

COURSE		CR	GRADE
SWK 250: PRACTICE I: INDIVIDUAL		3	
SWK 255: SOCIAL WELFARE POLICY		3	
SWK 265: PRACTICE II: GROUP, FAMILY		3	
SWK 280: PRACT. III COMM., ORGAN		3	
SWK 360: SOCIAL WORK RESEARCH		3	
TOTAL CREDITS	**15**		

Field Instruction I

CHOOSE ONE		CR	GRADE
SWK 381		3	
SWK 491		3	
TOTAL CREDITS	**3**		

Professional Seminar I

CHOOSE ONE		CR	GRADE
SWK 382		3	
SWK 492		3	
TOTAL CREDITS	**3**		

Field Instruction II

CHOOSE ONE		CR	GRADE
SWK 383		3	
SWK 493		3	
TOTAL CREDITS	**3**		

Professional Seminar II

CHOOSE ONE		CR	GRADE
SWK 384		3	
SWK 494		3	
TOTAL CREDITS	**3**		

Social Work Electives *SELECT ANY 3 SWK COURSES NOT LISTED AT LEFT*

COURSE		CR	GRADE
		3	
		3	
		3	
TOTAL CREDITS	**9**		

Concomitants *SELECT FOUR COURSES RELEVANT TO THE SOCIAL WORK MAJOR WITH THE ADVISOR'S APPROVAL*

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
TOTAL CREDITS	**12**		

Free Electives

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS	**18**		

General Education Required

COURSE	CAN BE USED AS:
PSY 11	GEN ED B
PSY 125 (PSY 11 IS PREREQUISITE)	GEN ED B
SOC 10	GEN ED B
BIO 12 **OR** [BIO 10 + (BIO 140 OR BIO 130)]	GEN ED C 1
ANY PHI COURSE	CONCOMITANT
ANT 10	CONCOMITANT
POL 10	CONCOMITANT
ECO 10 OR ECO 11	GEN ED C 2
MAT 140 **OR** [MAT 17 + PSY 200]	GEN ED C 3

NOTE:

SOCIAL WORK MAJORS CONDUCT THEMSELVES CONSISTENT WITH THE NASW CODE OF ETHICS. STUDENTS WHO VIOLATE THE ETHICAL STANDARDS AND / OR DEMONSTRATE BEHAVIORAL PROBLEMS MAY BE DISMISSED FROM THE MAJOR PROGRAM.

A "C" OR BETTER IS REQUIRED IN ALL SOCIAL WORK COURSES.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42-45**		COMPREHENSIVE EXAM I	**PASS**	
PROGRAM CREDITS (MINIMUM)	**60**		COMPREHENSIVE EXAM II	**PASS**	
FREE ELECTIVES	**18**		MINIMUM QPA OVERALL	**2.0**	
TOTAL CREDITS	**120**		MINIMUM QPA IN MAJOR	**2.0**	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

S A M P L E

FOUR - YEAR SEQUENCE OF SOCIAL WORK COURSEWORK

FIRST YEAR FALL	CR. HRS.	FIRST YEAR SPRING	CR. HRS.
SWK100	3	SWK130	3
CMP100 (A.1)	3	**CMP200** (A.2)	3
PSY11 (B.)	3	**SOC10** (B.)	3
BIO12 (C.1)	3	**PSY125** (B.)	3
First Year Seminar	3	**PHIXX**	3
TOTAL	15	TOTAL	15

SOPHOMORE FALL	CR. HRS.	SOPHOMORE SPRING	CR. HRS.
SWK160	3	SWK200	3
COMXXX (A.3)	3	SWK255	3
ANT10	3	A.4	3
POL10	3	**ECO10 or 11**	3
Elective [MAT17 (C.2 or C.3)]	3	**MAT140** (C.2 or C.3) or [MAT17 + PSY200]	3
TOTAL	15	TOTAL	15

JUNIOR FALL	CR. HRS.	JUNIOR SPRING	CR. HRS.
SWK250	3	SWK265	3
D.	3	SWK360	3
Concomitant	3	SWK Elective	3
Elective (PSY200 if no MAT140)	3	D.	3
Elective	3	Elective	3
TOTAL	15	TOTAL	15

SENIOR FALL	CR. HRS.	SENIOR SPRING	CR. HRS.
SWK280	3	SWK383	3
SWK Elective	3	SWK384	3
SWK381	3	SWK Elective	3
SWK382	3	D.	3
Elective	3	Elective	3
TOTAL	15	TOTAL	15

Bold print denotes General Education courses that are prerequisite for Social Work courses.
An overall grade point average of 2.0 or better in the major is required to enter the field.
All social work majors are required to obtain a "C" or better in every social work course.

Revised 2018

Minor Program: Actuarial Science Minor

Program code: ULASMATAS2 Version number: 2168 Effective date: 8/22/2016

Kutztown University

Minor Program: 18cr*			
1. Required Courses-12cr	Prerequisites	Gr	SH
MAT 301: Probability & Stats I	MAT 224 & MAT 283	3	
MAT 305: Mathematics of Finance I	MAT 283	3	
ECO 11: Principles of Macroeconomics		3	
ECO 12: Principles of Microeconomics		3	
2. Elective Courses: 6 cr			
ECO 205: Intermediate Microeconomics	ECO 12	3	
ECO 210: Intermediate Macroeconomics	ECO 11	3	
MAT 302: Probability & Stats II	MAT 301	3	
MAT 306: Mathematics of Finance II	MAT 305	3	
MAT 372: Independent Study and/or Project in Mathematics**		3	
MAT 403: Data Analysis	MAT 302	3	

*For the Actuarial Science Minor:

- No student may count more than three courses from their major program check sheet.
- A student must take at least one course at the 200 level or above from a department outside of their major.

**To count MAT 372 in this minor:

- The topics should be related to Probability & Statistics, Mathematics of Finance, and/or Economics.

Anthropology Minor Program

Department of Anthropology & Sociology (**18 S.H. minimum**)

Program: ULASANTPH2
Program Effective: August 22, 2014
Check Sheet Reviewed: March 2013

I. Required Courses: 9 S.H.	GR	SH
Select TWO of the following four courses:		
ANT 010 Cultural Anthropology		3
ANT 020 Physical Anthropology		3
ANT 030 Intro to Archaeology		3
ANT 040 Language and Culture		3
Select ONE of the following courses:		
ANT 201 Archaeol. Theory & Technique		3
ANT 202 Research Methd in Phys. Anthro		3
ANT 320 Archaeol. Field Methods		3
ANT 335 Ethno Research Methods		3
ANT 360 History & Theory of Anth.		3
ANT 380 Senior Seminar		3
ANT 390 Internship		3

II. Electives: 9 S.H.	GR	SH
ANT 010 Cultural Anthropology		3
ANT 020 Physical Anthropology		3
ANT 030 Intro to Archaeology		3
ANT 040 Language and Culture		3
ANT 101 North American Indian		3
ANT 102 South American Indian		3
ANT 105 Classical Archaeology		3
ANT/SOC/HIS 106 History &Cult Of Turkey		3
ANT 115 Communitarian Societies		3
ANT 131 New World Archaeology		3
ANT 135 PA German Cultural Tradition		3
ANT 136 Pennsylvania Archaeology		3
ANT 138 Caribbean Cultures		3
ANT 165 The Muslim Middle East		3
ANT 171 India & South Asia		3
ANT 180 Pacific & Australia		3
ANT 190 Cultural Diversity in PA		3
ANT 201 Archaeol. Theory & Technique		3
ANT 202 Research Methd in Phys. Anthro		3
ANT 212 Shamans, Witches and Magic		3
ANT/SOC 213 World Religions		3
ANT 215 Gender Across Cultures		3
ANT 218 Culture and Consumption		3
ANT 220 Economic Anthropology		3
ANT 224 Anthropology Of Death & Dying		3
ANT 226 Anthropology & Education		3
ANT 227 Work and Workplaces		3
ANT/SOC 232 Marriage In Cr-Cult. Persp.		3

II. Electives: 9 S.H. (cont)	GR	SH
ANT 239 Historical Archaeology		3
ANT 240 World Prehistory		3
ANT/SOC 241 Race & Ethnicity		3
ANT 242 Museums,Festivals,Cult.Events		3
ANT 245 Language & Identity		3
ANT/SOC 246 Globalization & Devel.		3
ANT 254 Medical Anthropology		3
ANT 258 Forensic Anthropology		3
ANT 260 Applied & Practicing Anth.		3
ANT 262 Hate Across Cultures		3
ANT 272 Human Heredity		3
ANT 273 Primate Studies		3
ANT 274 Human Origins		3
ANT 285 Millenarian Movements		3
ANT/PSY 290 Culture & Personality		3
ANT 320 Archae. Field Methods		3
ANT 321 Advan. Arch. Field Methds		3
ANT 335 Ethno Resrch Methods in Ant		3
ANT 360 History & Theory of Anthro.		3
ANT 370 Readings in Anthropology		3
ANT 371 Selected Topics in Anthro.		3
ANT 379 Independent Study		3
ANT 380 Senior Seminar		3
ANT 390 Internship in Anthro. I		3
ANT 391 Internship in Anthro. II		3

Advisement Notes:
At least 9 semester hours must be taken at the 200 level or above. A course cannot count as an elective if used as a required course.

Minor Program: Astronomy	Program Code:	ULASAST2
	Version #	2158
	Effective:	Fall 2015
Department of Physical Sciences (20 S.H. minimum)	Check Sheet Reviewed:	

1. Required Courses: 14 S.H.	**GR.**	**S.H.**
PHY 040 or PHY 100 (Physics I)		4
PHY 042 or PHY 102 (Physics II)		4
AST 140 (Planetary Science)		3
AST 142 (Stellar & Galactic Astronomy)		3

2. Elective Courses: 6 S.H.	**GR.**	**S.H.**
Select at least 6 additional S.H. in AST courses above the 200 level.		
AST		
AST		
AST		

All course prerequisites must be satisfied.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

AstronomyMinor.doc
Advising Center –
Physical Science Dept. –

Minor Program: Biochemistry	Program #	ULASBIOCH2
	Version #	2058
	Effective:	Fall 2005
Department of Physical Sciences (24 S.H. minimum)	Check Sheet Reviewed:	2/05

1. Required Courses: 24 S.H.	**GR.**	**S.H.**
CHM 100 General Chemistry I		4
CHM 102 General Chemistry II		4
CHM 214VLOrganic Chemistry I		4
CHM 216WI Organic Chemistry II		4
CHM 310 Biochemistry I		4
CHM 312 Biochemistry II		4

Advisement Notes

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

Minor Program: **Bioethics**	Program Code	ULASPHIB2
	Version #	2142
	Program Effective	Spring 2014
Department of Philosophy (18/19 S.H. minimum)	Check Sheet Reviewed	March 2011

1. **Required Courses: 9SH**		
PHI 040 Introduction to Ethics		
PHI 210 Medical Ethics		
PHI 113 Environmental Philosophy		
2. **Select one of the following two courses (3/4 SH):**		
BIO 010/011 Introduction to Biology (with lab)		
BIO 104/105 Principles of Biology (4 credits, with lab)		
3. **Select one of the following courses (3 SH):**		
BIO 130 Environmental Issues: Global Perspectives		
BIO 140 Biology and Society		
BIO/ENV 222/223 Environmental Biology (with lab)		
BIO 242/243 Ecosystem Ecology (with lab)		
BIO 244/245 Ecology (with lab)		
ENV 100/101 Introduction to Environmental Science (with lab; Env. Sci. majors only)		
GEG 210 Environmental Conservation		
4. **Electives: Select one of the following courses (3 SH):**		
ANT 125 The Anthropology of Death and Dying		
ANT 254 Medical Anthropology		
ANT 272 Human Genetics		
ECO 322 The Economics of Health and Medicine		
GEG 212 – Geography of Natural Hazards		
GEG 225 – Spaces of Globalization		
GEG 323 – Global Warming		
GEG 341 – Environmental Planning		
GEG 343 – Land Use Planning		
HEA 370 Selected Topics in Health*		
HEA 380 Independent Study in Health*		
HEA 395 Honors Health Independent Study/ Thesis *		
HEA 421 Critical Issues in Health		
PHI 125 Philosophical Aspects of Death and Dying		
PHI 215 Persons, Life, and Death		
PHI 235 Topics in Moral Theory		
PHI 245 Human Love and Sexual Morality		
PHI 330 Philosophy of Science		
POL 258 The Administration of U.S.		
Environmental Law		
POL 435 Technology and Contemporary Politics and Society		
PSY 255 Environmental Psychology		
PSY 331 Health Psychology: Biopsychosocial Factors in Health and Illness		
SOC/SWK 290 Social Gerontology and Social Welfare		
SOC 335 Introduction to Public Health		
SWK 130 Poverty and Social Welfare		
SWK 328 Child Welfare and Social Work		

* Approval of topic by Philosophy Department required for this course to count toward minor.

Advisement Notes

All course prerequisites must be satisfied.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved:

_____

Dean, College of Liberal Arts and Sciences

Ld 8/14

Minor Program: Biology	Program #	ULASBIOGY2
	Version #	1978
	Effective:	Fall 1997
Department of Biology (21 S.H.)	Check Sheet Reviewed:	11/1996

I. Required Courses: 12 S.H.	**GR.**	**S.H.**
BIO 104 Principles of Biology		4
BIO 106 Introduction to Zoology		4
BIO 108 Introduction to Botany		4

Student Name: _____

Student ID #: _____

II. Electives: 9 S.H.	**GR.**	**S.H.**
Select three BIO courses – Two electives must be at the 200 level or above and One elective must be at the 300 level or above.		
BIO		3
BIO		3
BIO		3

Note:
The following BIO courses may **not** be used to Satisfy the minor in Biology:

BIO 380 Senior Seminar in Biology
BIO 390 Internship in Biology

Advisement Notes

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

Case Management Minor

Department of Social Work 18 S.H. (minimum)

Program #	ULASSWKCM2
Version #	2182
Effective:	January 22, 2018
Check Sheet Revised:	

1. Required Courses* 12 S.H	GR.	S.H.
SWK 320 Case Management an Interdisciplinary Approach		3
SWK 321 Professional Dimensions of Case Management or SWK 200 Professional Context of SWK Practice*		3
PSY 250 Abnormal Psychology or SWK 160 Human Behavior in the Social Environment*		3
SOC 110 Contemporary Social Problems or SWK 130 Poverty and Social Welfare*		3
		3
2. Electives:* 6 S.H. *Take two of the following*		
COM 130 Interpersonal Communications		3
COM 210 Persuasion		3
COM 215 Small Group Communication		3
CRJ 221 Juvenile Justice System		3
CRJ/SOC 250 Criminology		3
CRJ 270 Management of Offenders		3
CRJ 272 Community Corrections		3
CRJ 274 Policy, Punishment, and Society		3
PRO 185 Fund. of Personal Finance		3
PSY 120 Adolescent Psychology		3
PSY 125 Life Span Development		3
PSY 217 Forensic Psychology		3
PSY 331 Health Psychology		3
SOC 207 Families and Social Class		3
SOC 241 Race and Ethnicity		3
SPU 101 Early Intervention...Disabilities		3
SPU 201 Cognitive Development		3
SWK 285 Essential Skills in Helping		3
SWK 286 SWK and Substance Abuse		3
SWK/SOC 290 Gerontology and SWK		3
SWK 315 Human Services Admin.		3
SWK 328 Child Welfare and SWK		3
Other SWK course by permission		3

Graduation Clearance		
Semester Hours (18 S.H)		**S.H.**
a. Required Courses (12 S.H.)		
b. Elective Courses (6 S.H.)		
Total		
Cleared for Graduation (term/yr):		
a. Dept. Advisor (Initial/Date)		
b. Dept. Chair (Initial/Date)		

Advisement Notes :

Restrictions for Social Work majors only:

1. Required Courses for this Minor:
SWK 320, SWK 321, SOC 110, PSY 250

2. Electives:
Social Work Majors can use no more than one course with SWK prefix to fulfill minor Electives

Restrictions for all non-Social Work Majors:

All non-social work majors can use no more than 3 courses with a course prefix of their major.

Notes for Prerequisites:

Courses listed in the minor have their individual and department prerequisites and permissions. Students of this minor are not exempt from these requirement unless otherwise stated.
While SWK250 is generally a prerequisite for Social Work Electives (non-mandatory SWK courses), social work students may take SWK 320 and 321 concurrent with SWK250.
Students in other majors are exempted from the SWK 250 prerequisite.

Students must have a minimum of a 2.00 cumulative GPA in the minor courses to complete the minor.

Approved by: _____
Dean, College of Liberal Arts & Science

Minor Program: Chemistry	Program #	ULASCHEMI2
	Version #	1928
	Effective:	Fall 1992
Department of Physical Sciences (23 - 24 S.H. minimum)	Check Sheet Reviewed:	3/2004

I. Required Courses: 20 S.H.	**GR.**	**S.H.**
CHM 100 General Chemistry I		4
CHM 102 General Chemistry II		4
CHM 214VL Organic Chemistry I		4
CHM 216WI Organic Chemistry II		4
CHM 230QLWI Analytical Chemistry I		4

II. Electives: 3-4 S.H.	**GR.**	**S.H.**
This course must be at the 300 level with the Consent of the minor department advisor. (All course prerequisites must be satisfied.)		
CHM		3-4

Student Name: _____

Social Security #: _____

Advisement Notes

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • COMPUTER SCIENCE MINOR

Academic Plan: ULASCOMSD2 **Version Number: 2182 – Spring 2018** **Effective Date: January 22, 2018**

PROGRAM REQUIREMENTS FOR COMPUTER SCIENCE MINOR

Minor Program: 21 credits		
1. Required Courses – 15 credits	CR	GR
CSC125: Discrete Math for Computing I	3	
CSC225: Discrete Math for Computing II	3	
CSC135: Computer Science I	3	
CSC136: Computer Science II	3	
CSC237: Data Structures	3	
2. Elective Courses – 6 credits		
A. Any 200-level or higher CSC* course		
	3	
A. Any 300-level or higher CSC course**		
	3	

NOTE: A student majoring in Computer Science or Information Technology may not minor in Computer Science.

Advisement Notes
* If you are thinking of going for an MS in Computer Science: Software Development you should take CSC 235.
* * If you are thinking of going on for an MS in Computer Science: Software Development you should take CSC 310.

Minor Program:	Program #	00016
Criminal Justice	Version #	20123
	Effective:	Fall 2011
Department of Criminal Justice 18 S.H. (minimum)	Check Sheet Reviewed:	8/2010

1. Required Courses: 3 S.H.	**GR**	**S.H.**
CRJ 010 Intro to Criminal Justice		3
2. Elective Courses: 15 S.H.	**GR**	**S.H.**
Select five courses with CRJ prefix other than CRJ 010.		
CRJ		3
CRJ		3
CRJ		3
CRJ		3
CRJ		3

***In order to receive transcript recognition of a minor program, students must complete half of the minor course work at KU <u>AND</u> must earn a minimum G.P.A. of 2.00 in their minor course work**.

**** C or higher in CRJ 010 Intro to Criminal Justice**

*****At least 9 S.H. must be taken at the 200 level or above.**

******CRJ 880's will count as 100 level courses.**

Advisement Notes
All prerequisites must be satisfied before any elective courses may be taken.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____

Dean, College of Liberal Arts & Sciences

Environmental Geography Minor:

Why choose the Environmental Geography Minor?

1. Environmental geography gives you a spatial perspective, so that not only can you answer the question of where are things located, but why are these phenomena located where they are and what is their significance.

2. Environmental geography provides a global perspective of environmental processes and problems that condition and influence international relations.

3. Environmental geography expands employment opportunities; its perspectives are used by planners in government, teachers, environmental analysts, and non-governmental organizations.

Categories of Courses (minimum of 18 credits required)

A. Required Courses -- 6 Credits

GEG 010	Elements of Physical Geography
GEG 274	Intro. to Geographic Information Systems and Lab

B. Elective Courses -- 12 Credits

GEG 040	Descriptive Oceanography
GEG 204/205	Meteorology and Lab
GEG 210	Environmental Conservation
GEG 212	Geography of Natural Hazards
GEG 232	Field Methods in Geography
GEG 304/305	Weather Analysis and Lab
GEG 322	Climatology
GEG 324/325	Geomorphology and Lab
GEG 330	Cartography
GEG 333	Advanced Geographic Information Systems
GEG 341	Environmental Planning
GEG 343	Land Use Planning
GEG 347	Remote Sensing of the Environment and Lab
GEG 375	Research Methods
GEG 394	Internship in Geography
INT 111	International Environmental Issues

GEOGRAPHY

Department of Geography, Kutztown University, Kutztown, PA 19530
(610) 683-4364

Revised : 10/2014

"…Making a World of Difference"

Environmental Geography Minor
(ULASGEOEV2 Effective Date: 8/24/2015)

A. Required Courses – 6 credits		SH	GR
GEG 010	Elements of Physical Geography		
GEG 274	Intro to Geographic Information Systems & Lab		
B. Elective Courses – 12 credits			
GEG 040	Descriptive Oceanography		
GEG 204/205	Meteorology and Lab		
GEG 210	Environmental Conservation		
GEG 212	Geography of Natural Hazards		
GEG 232	Field Methods in Geography		
GEG 304/305	Weather Analysis and Lab		
GEG 322	Climatology		
GEG 324/325	Geomorphology and Lab		
GEG 330	Cartography		
GEG 333	Advanced Geographic Information Systems		
GEG 341	Environmental Planning		
GEG 343	Land Use Planning		
GEG 347	Remote Sensing of the Environment and Lab		
GEG 375	Research Methods		
GEG 394	Internship in Geography		
INT 111	International Environmental Issues		
Check Sheet Updated: October 24, 2014 **Version No. 2158**			

Minor Program:	Academic Plan:	ULASCRJF2
Forensics Studies	Effective Date:	August 29, 2016
Department of Criminal Justice 18 S.H. (minimum)	Check Sheet Reviewed:	

1. Required Courses: 3 credits	**GR**	**S.H.**
CRJ 301: Investigation and Intelligence*	3	
2. Core Courses: 6 credits (choose two courses from the following:		
ANT 258: Forensic Anthropology	3	
BIO 111: Forensic Biology*	3	
CHM 051: Introduction to Forensic Science	3	
CSC 111: Computer Forensics OR CSC 351: Digital Forensics*	3	
3. Elective Courses: 9 credits (choose 3 courses from the following courses not previously used in core course requirement)		
ANT 258: Forensic Anthropology	3	
ANT 320: Archeological Field Methods	3	
ANT 321: Advanced Archaeological Field Methods	3	
BIO 111: Forensic Biology*	3	
CHM 051: Introduction to Forensic Science	3	
CRJ 181: Criminal Law	3	
CRJ 182: Criminal Procedure	3	
CRJ 320: Evidence*	3	
CSC 111: Computer Forensics OR CSC 351: Digital Forensics*	3	
PSY 217: Psychology and the Law*	3	
WRI 205: Scientific Writing*	3	

Advisement Notes
All prerequisites must be satisfied before any elective courses may be taken.

Note: In order to receive transcript recognition of a minor program, students must complete half of the minor course work at KU AND must earn a minimum G.P.A. of 2.00 in their minor course work.

*Please note that prerequisites are required for these courses.

****No student may use more than two courses from their major or another minor toward the Forensic Studies minor.**

STUDENT: _____ STUDENT ID NUMBER: _____

COLLEGE OF LIBERAL ARTS & SCIENCES • GAME DEVELOPMENT MINOR

Academic Plan: ULASCSCGD2 **Version Number: 2198 – Fall 2019** **Effective Date: August 22, 2019**

PROGRAM REQUIREMENTS FOR GAME DEVELOPMENT MINOR

Minor Program: 21 credits*		
1. Required CSC Courses (12 credits)		
CSC120: Introduction to Creative Graphical Coding (none) OR CSC135: Computer Science I (none)	3	
CSC220: Object-Oriented Multimedia Programming (C or better in (CSC120 or CSC123 or CSC135)) OR CSC136: Computer Science II (CSC135)	3	
CSC240: Fundamentals of Game Development (C or better in (CSC120 or CSC123 or CSC135))	3	
CSC320: Game Development I ((CSC220 or CSC223 or CSC136) and CSC240)	3	
2. Required Art/Applied Art Courses (9 credits)	CR	GR
CDE10: Digital Foundations (CVPA or permission) OR CSC020: Computer Graphics (none)	3	
ART171: Computer Aided Modeling and Rendering (CVPA, Game Development minor, or permission)	3	
APD148: Game Design and Prototyping (APD major, Game Development minor, or permission)	3	

Prerequisites noted in parenthesis.

Department of Computer Science &
Information Technology

Office: Old Main 256
Phone: 610-683-4340

Geography Minor

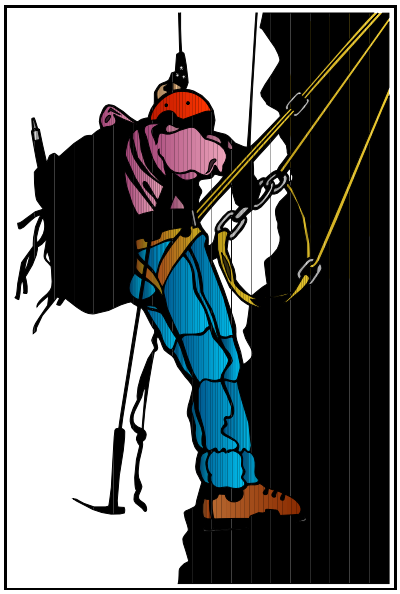
Why choose a minor in Geography?

1. Geography gives you a spatial perspective, so that not only can you answer question of *where* things are located, but *why* are these phenomena located where they are and *what* is their significance.

2. Geography provides a global perspective of processes and problems that influence international relations.

3. Geography expands employment opportunities; its perspectives are used by planners in government, teachers, environmental analysts, and marketing and business consultants.

Categories of Courses (minimum of 18 credits required)



A. Required Courses -- 6 Credits

GEG 010	Elements of Physical Geography
GEG 020CD	Elements of Cultural Geography

B. Techniques Course -- 3 Credits

One course must be selected from the following:

GEG 230	Map Reading and Interpretation
GEG 232	Field Methods in Geography
GEG 274CPQL	Geographic Information Systems & Lab
GEG 330CPVL	Cartography
GEG 333	Adv. Geographic Information Systems
GEG 341	Environmental Planning
GEG 343	Land Use Planning
GEG 347	Remote Sensing of the Env. & Lab
GEG 375	Research Methods in Geography

C. Geography Electives -- 9 Credits

Only one regional course may be used in this section.
At least one course must be at the 200 level or above.

Department of Geography, Kutztown University, Kutztown, PA 19530
(610) 683-4364

Revised 10/14

Geography Minor
(ULASGEOPH2 Effective Date: 8/24/2015)

A. Required Courses – 6 credits		SH	GR
GEG 010	Elements of Physical Geography		
GEG 020CD	Elements of Cultural Geography		
B. Techniques Course – 3 credits One course must be selected from the following:			
GEG 230	Map Reading and Interpretation		
GEG 232	Field Methods in Geography		
GEG 274CPQL	Geographic Information Systems & Lab		
GEG 330CPVL	Cartography		
GEG 333	Adv. Geographic Information Systems		
GEG 341	Environmental Planning		
GEG 343	Land Use Planning		
GEG 347	Remote Sensing of the Env. & Lab		
GEG 375	Research Methods in Geography		
C. Geography Electives – 9 credits Only one regional course is acceptable in this section. At least one course must be at the 200 level or above.			
Check Sheet Updated: October 24, 2014			

CULTURAL GEOGRAPHY:

GEG 210	Environmental Conservation
GEG 225CMCT	Spaces of Globalization
GEG 264	Medical Geography
GEG 335	Political Geography
GEG 338	Geography of Population

ECONOMIC GEOGRAPHY:

GEG 220	Economic Geography
GEG 223	Intro. to Transportation Geography
GEG 225CMCT	Spaces of Globalization
GEG 310WI	Urban Geography

GEOGRAPHIC TECHNIQUES:

GEG 230	Map Reading and Interpretation
GEG 232	Field Methods in Geography
GEG 274CPQL	Introduction to GIS Lecture / Lab
GEG 330CPVL	Cartography
GEG 333	Advanced GIS
GEG 341	Environmental Planning
GEG 343	Land Use Planning
GEG 347	Remote Sensing Lecture / Lab
GEG 375	Research Methods in Geography

PHYSICAL GEOGRAPHY:

GEG 040	Descriptive Oceanography
GEG 204	Meteorology Lecture / Lab
GEG 212	Geography of Natural Hazards
GEG 304	Weather Analysis Lecture / Lab
GEG 322	Climatology
GEG 323	Global Warming & Science of Climate Change
GEG 324	Geomorphology Lecture / Lab

REGIONAL GEOGRAPHY:

GEG 101	World Regional Geography
GEG 110	Geography of United States and Canada
GEG 112	Geography of Pennsylvania
GEG 120	Geography of Subsaharan Africa
GEG 140	Geography of Europe

Version No. 2158

Minor Program: Geology	Program #	ULASGEOLO2
	Version #	1913
	Effective:	Fall 1991
Department of Physical Sciences (20 S.H. minimum)	Check Sheet Reviewed:	4/99

1. Required Courses: 8 S.H.	**GR.**	**S.H.**
GEL 100 Physical Geology		4
GEL 102 Historical Geology		4

2. Electives: 12 S.H.	**GR.**	**S.H.**
Select any four GEL courses at the 200 level or above, Excluding GEL 237. (All course prerequisites must be satisfied.)		
GEL		3
GEL		3
GEL		3
GEL		3

Advisement Notes

Approved: _____
Dean, College of Liberal Arts & Sciences

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Minor Program: German Communication & Culture

Department of Modern Language Studies

(18 S.H. minimum)

Program # ULASGERCC2
Version # 20096
Program Effective: Spring 2009
Check Sheet Reviewed: 4/08

1. Required Courses: 12 S.H.	GR	S.H.
GER 103 Intermediate German III		
GER 104 Intermediate German IV		
GER 211 German Comp & Conv I		
GER 212 German Comp & Conv II		

2. Elective Courses: 6 S.H.	GR	S.H.
Select two courses with the GER prefix. Please consult with the minor advisor:		
GER		
GER		

Notes:
If beginning courses in German are needed (GER 011 & 012), then they must be taken under General Education. These courses are not to be considered part of the minor and must be excluded from the 18 credit hour requirement in German and from the calculation of the QPA in the minor.

Advisement Notes

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Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

Minor Program: **History** (18 S.H.)

Department of History

Program #:	00033
Version #:	19873
Program Effective:	Fall 1986
Check Sheet Reviewed:	2/99

Student Name: _____

STUDENT NUMBER _____

ELECTIVE COURSES: 18 S.H.	GR.	S.H.
Courses already taken:		
Courses currently taking:		
Courses to be taken:		

Advisement Notes:

Note:

☞ Select six HIS courses.
At least 9 S.H. must be taken at the 200 level or above.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: Carl E Brunner 1/96

Dean, College of Liberal Arts & Sciences

acadv 9/96

Minor Program:	Academic Plan:	ULASHLS2
Homeland Security	Effective Date:	August 29, 2016
Department of Criminal Justice 18 S.H. (minimum)	Check Sheet Reviewed:	

1. Required Courses: 12 S.H.	**GR**	**S.H.**
HLS 100 Homeland Security		3
HLS 200 Homeland Security & Emergency Management		3
HLS 300 Homeland Security/Intelligence		3
HLS 310 Terrorism & Counterterrorism		3
2. Elective Courses: 6 S.H.	**GR**	**S.H.**
Select two courses from the list below:		
ANT 165CD The Muslim Middle East		3
CSC 111 Computer Forensics		3
CRJ 170 Intro to Security Management		3
ENV 100 Intro to ENV Science		3
HIS 155 Middle East		3
HIS 170 US Military		3
HIS 210 Russia/Soviet Union		3
HLS 323: Development of National Security & the Judiciary		3
POL 020CD International Relations		3
POL 115 Public Administration		3
POL 227WI International Conflict & Sec		3
POL 228CTWI American Foreign Policy		3
POL 311 Constitutional Law I		3
POL 314 The Admin of US Env. Law		3
POL 346 Public Budgeting & Fiscal Mgmt.		3
SOC 213CDWI World Religions		3
SOC 224 Immigration and Assimilation		3

Note: In order to receive transcript recognition of a minor program, students must complete half of the minor course work at KU AND must earn a minimum G.P.A. of 2.00 in their minor course work.

Advisement Notes
All prerequisites must be satisfied before any elective courses may be taken.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • INFORMATION TECHNOLOGY MINOR

Academic Plan: ULASCISIT2 **Version Number: 2182 - Spring 2018** **Effective Date: January 22, 2018**

PROGRAM REQUIREMENTS FOR INFORMATION TECHNOLOGY MINOR

Minor Program: 21 credits		
1. Required Courses – 9 credits	CR	GR
CSC125: Discrete Math for Computing I	3	
CSC130: IT Fundamentals	3	
CSC253: IT Systems	3	
2. Elective Courses – 6 credits (Student must complete one of the following three programming sequences)		
A. Computer Programming Sequence (0 or 6 credits)		
CSC135: Computer Science I	3	
CSC136: Computer Science II	3	
B. Multimedia Programming Sequence (0 or 6 credits)		
CSC120: Intro Creative Graphical Coding	3	
CSC220: Object-Oriented Multimedia Programming	3	
C. Scientific Programming Sequence (0 or 6 credits)		
CSC123: Introduction to Scientific Programming	3	
CSC223: Advanced Scientific Programming	3	
3. Elective Courses - 6 credits		
A. Any 200-level or higher CSC course		
	3	
B. Any 300-level or higher CSC* course		
	3	

NOTE: A student majoring in Computer Science or Information Technology may not minor in Information Technology.

Advisement Notes
* If you are considering an MS in Computer Science: Information Technology, you should take CSC 135, CSC 136, and one of the following: CSC 311, CSC 341, CSC 352, or CSC 356

STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • MINOR • LITERATURE

Program Code: ULASLITER2 **Version Number: 20098-Fall 2009** **Effective Date: April 2, 2009**

Program Requirements: 18 CREDITS

I. Required Course Work (9 credits)	**RC**	**CR**	**GR**	
ENG 100: Principles of Literary Analysis	3			
Choose two of the following:				
ENG 101: World Literature I **Or** ENG 102: World Literature II				
ENG 105: Experiences in American Literature				
ENG 106: Experiences in British Literature				
COURSE:	3			
COURSE:	3			

II. Electives (9 credits) Choose any three literature courses at the 200 level or above (ENG prefix only)	**RC**	**CR**	**GR**	
ENG: _ _ _	3			
ENG: _ _ _	3			
ENG: _ _ _	3			

Advisement Note: ENG 100 should be taken prior to enrollment in other courses.

Minor Program: Marine Science (18 S.H.) Department of Physical Sciences	Program #	ULASMARSC2
	Version #	2118
	Effective:	Fall 2011
	Check Sheet Reviewed:	11/10

Student Name: _____

I. Required Courses: 6 S.H.	**GR.**	**S.H.**
MAR 110 Introduction to Oceanography		3
Method-Intensive Field Course (Note 1)		3

II. Electives: 12 S.H.	**GR.**	**S.H.**
Select four MAR courses at the 200 level or above, two of which must be taken at Marine Science Consortium, Wallops Island, VA. (All course prerequisites must be satisfied.)		
MAR		3
MAR		3
MAR		3
MAR		3

Advisement Notes
1. Methods courses are offered at the Marine Science Consortium and must be approved by the MAR Program Coordinator

Clearance for Graduation:

Total Semester Hours Completed:

_____

Signatures:

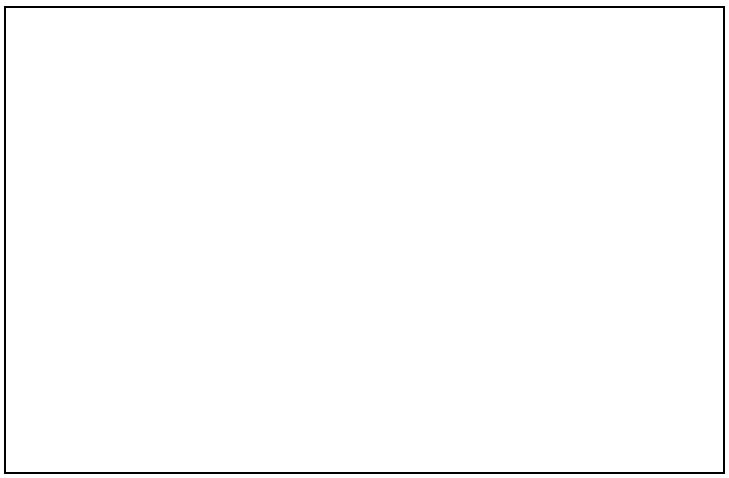
Minor Advisor:

_____

Department Chairperson:

_____

Minor Program: Marine Science (18 S.H.) Department of Physical Sciences	Program #	ULASMARSC2
	Version #	2118
	Effective:	Fall 2011
	Check Sheet Reviewed:	11/10



STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • MATHEMATICS MINOR

Academic Plan: ULASMATHM2 **Version Number: 2122 – Spring 2012** **Effective Date: January 23, 2012**

Revision: July 22, 2014

PROGRAM REQUIREMENTS FOR MATHEMATICS MINOR

Mathematics Minor Program: 21 credits			
1. Required Courses: 18 cr	**CR**	**GR**	**CAC**
MAT 181: Calculus I	4		
MAT 182: Calculus II (MAT 181)	4		
MAT 224: Foundations of Higher Mathematics (MAT 181) or CSC 225: Discrete Mathematics for Comp II (CSC 125 & 135)	3		
MAT 260: Linear Algebra I (MAT 224)	3		
MAT 283: Calculus III (MAT 182)	4		
2. Electives: 3 cr			
MAT 300-level or higher			
COURSE:	3		

Prerequisites in parentheses

Minor in Pennsylvania German Studies

Program #: ULASGERST2
Version #: 20063
Program EffectiveFall 2005
Check Sheet Reviewed: 2/05

I. Required Courses: 6 SH	GR	SH
PAG 010 Intro to PA German Studies		3
PAG 390 Intern in PA German Studies		3

II. Elective Courses: 12 SH	GR	SH
ANT 135 PA German Cultural Traditions		3
ANT 190 Human Diver & Adapt in PA		3
ANT 320 Archeological Field Methods		3
ANT 379 Independent Study**		1-3
ANT 390 Internship in Anthropology***		1-6
ARH 306 Art Northern Europe 1350-1580		3
ARH 339 Ind Studies in the History of Art		3
ARH 385 Selected Topics in Art History		3
CFT 377/378/379/380 Independent Study: Craft Studio I - IV*		1-4
ENG 124 Curr Themes Amer Lit: Folklore		3
ENG 234 Ethnic American Literature		3
ENG/GER 253 German Lit in Transla I		3
ENG/GER 254 German Lit in Transla II		3
GEG 240 Geography of Pennsylvania		3
GEG 371 Independent Study**		3
GEG 394 Internship in Geography***		3
GER 011 Elementary German I		3
GER 012 Elementary German II		3
GER 103 Intermediate German III		3
GER 104 Intermediate German IV		3
GER 301 Survey of German Literature I		3
GER 302 Survey of German Literature II		3
GER 390 International Internship***		1-9
GER 495 Independent Study**		1-3
HIS 120 History of Pennsylvania		3
HIS 257 Introduction to Public History		3
HIS 330 Renaissance and Reformation		3
HIS 379 Independent Study**		3
HIS 390 History Internship***		3-15
INT 101 Intercultural Communication		3
PAG 011 Intro to the PA German Lang I		3
PAG 012 Intro to the PA German Lang II		3
PAG 251 PA German Lit in Translation		3
PAG 301 PA German Literature		3
PAG 360 Study Abroad		3
PAG 370 Readings in PA German Life		3
SOC 379 Independent Study**		1-3
SPE 213 Comm in Multicultural World		3

* With approval of advisor, students may do extensive study in a Pennsylvania German craft tradition.

** With approval of advisor, students may take an independent reading course supervised by professors in other disciplines with content that are relevant to Pennsylvania German studies.

*** With approval of advisor, students may take an internship supervised by professors in other disciplines with content that are relevant to Pennsylvania German Studies.

Approved: _____
Dean, College of Liberal Arts & Sciences/Date

Minor Program: **Philosophy**

Department of Philosophy (18 S.H. minimum)

Program Code	ULASPHILO2
Version #	20043
Program Effective	Fall 2003
Check Sheet Reviewed	9/2002

1. Required Courses: 18 S.H.	GR	SH
Select any six PHI courses with the minor advisor – at least two courses must be at the 100 level or above & at least one course must be at the 300 level or above.		
PHI		3
PHI		3
PHI		3
PHI		3
PHI		3
PHI		3

Advisement Notes
All course prerequisites must be satisfied.

advrec 9-02

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____

Minor Program: Physics	Program #	ULASPHYSI2
	Version #	2072
	Effective:	Spring 2007
Department of Physical Sciences (20 S.H. minimum)	Check Sheet Reviewed:	4/06

1. Required Courses: 11 S.H.	**GR.**	**S.H.**
PHY 100 Physics I		4
PHY 102 Physics II		4
PHY 212 Modern Physics I		3

2. Elective Courses: 9 S.H.	**GR.**	**S.H.**
Select at least nine additional S.H. in PHY courses above the 200 level.		
PHY		
PHY		
PHY		

All course prerequisites must be satisfied.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved: _____
Dean, College of Liberal Arts & Sciences

Physics Minor.doc
Advising Center – 4/01
Physical Science Dept. – 4/06

Planning Geography Minor:

Why choose the Planning Geography Minor?

1. Geography gives you a spatial perspective, so that not only can you answer the questions of *where* things are located, but *why* are these phenomena located where they are and *what* is their significance.

2. The Planning Geography Minor builds on your understanding of environmental processes and problems that influence planning issues.

3. The Planning Geography Minor expands employment opportunities; its perspectives are used by planners in government, environmental analysts, and non- governmental organizations.

Categories of Courses (minimum of 18 credits required)

A. Required Courses -- 9 Credits

GEG 010	Elements of Physical Geography
GEG 020CD	Elements of Cultural Geography
GEG 341	Environmental Planning **or**
GEG 343	Land Use Planning



B. Elective Courses -- 9 Credits (select 3)

GEG 210	Environmental Conservation
GEG 212	Geography of Natural Hazards
GEG 220	Economic Geography
GEG 223	Transportation Geography
GEG 225	Spaces of Globalization
GEG 274CPQL	Introduction to GIS Lecture/Lab
GEG 310WI	Urban Geography
GEG 335	Political Geography
GEG 338	Geography of Population
GEG 341	Environmental Planning **or**
GEG 343	Land Use Planning
GEG 347/348	Remote Sensing of the Environment Lecture/Lab
GEG 375	Research Methods
GEG 394	Internship in Geography

Department of Geography, Kutztown University, Kutztown, PA 19530
(610) 683-4364
Revised: 10/14

Planning Geography Minor

(ULASGEOPL2 Effective Date: 8/24/2015)

A. Required Courses – 9 credits		SH	GR
GEG 010	Elements of Physical Geography		
GEG 020CD	Elements of Cultural Geography		
GEG 341 GEG 343	Environmental Planning **or** Land Use Planning		
B. Elective Courses – 9 credits (select 3)			
GEG 210	Environmental Conservation		
GEG 212	Geography of Natural Hazards		
GEG 220	Economic Geography		
GEG 223	Transportation Geography		
GEG 225	Spaces of Globalization		
GEG 274CPQL	Introduction to GIS Lecture & Lab		
GEG 310WI	Urban Geography		
GEG 335	Political Geography		
GEG 338	Geography of Population		
GEG 341 GEG 343	Environmental Planning **or** Land Use Planning		
GEG 347/348	Remote Sensing of the Environment Lecture&Lab		
GEG 375	Research Methods		
GEG 394	Internship in Geography		

Check Sheet Updated: O c t o b e r 24, 2014

Version No. 2158

Political Science Minor*

Program Code: ULASPOLSC2
Effective Fall 2015
A minor in political science must be declared in the office of the Department of Political Science—Old Main 318

1. Required Courses: 6 s.h.		**Gr.**	**s.h.**
POL 10	American Government		3
POL 20	International Relations		
	OR		
POL 50	State & Local Government		3
2. Elective Courses: 12 s.h.**		**Gr.**	**s.h.**
Select any four POL courses in consultation with your advisor:			

*Students must maintain at least a 2.0 GPA in the minor courses.
**At least two elective courses need to be at the 141 level or above

cld
10/10/14

STUDENT: _____ STUDENT ID NUMBER: _____

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • MINOR • PROFESSIONAL WRITING

Program Code: ULASWRITI2 **Version Number: 2142-Spring 2014** **Effective Date: January 20, 2014**

Program Requirements: 18 CREDITS

I. Required Course Work (9 credits)

	RC	CR	GR	
WRI 213: Copy and Line Editing	3			
WRI 207: Writing for the workplace	3			
Plus 1 of the following:				
WRI 208: Creative Writing: Forms **or** WRI 211: Journalism 1				
COURSE:	3			

Students must have at least a B in English 023, 024 or 025 before enrolling in the minor.
Students must satisfy all the prerequisites before enrolling in the class.

II. Electives (9 credits)

At least one must be at the 300-level or higher*	RC	CR	GR	
WRI: 3_ _	3			
WRI:	3			
WRI: **or** ENG: (WI)				
COURSE:	3			

WRI 380 (Professional Seminar) and WRI 390 Writing Internship are not open to minors.

WRI 208 and WRI 211 may be used as electives if not being used in the required course work.

One Writing Intensive (WI) ENG course may be used as an elective.

Plan #: ULASPSY2 **Program Effective:** Fall 2005
Req. Term: Fall 2005

Minor Program (18 Semester Hours)

Psychology

Department of Psychology

Student Name: _____ **Student I.D. #:**_____

I. Required - (3 hrs.)

	Grade	*Credits*
PSY 011 - General Psychology (prerequisite for all others) with a C or better	_____	_____

II. Required - (9 hrs.) Select three PSY courses at the 200 level or above:

	Grade	*Credits*
PSY _____	_____	_____
PSY _____	_____	_____
PSY _____	_____	_____

III. Electives - (6 hrs.) Select any two PSY courses not chosen above:

	Grade	*Credits*
PSY _____	_____	_____
PSY _____	_____	_____

Advisement Notes:

Requirements to have a minor in Psychology:
a 'C' or better in PSY 011, a 2.0 GPA, and at least half of the credits must be taken at Kutztown University.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor: _____

Department Chairperson: _____

Approved: _____

Bashar W. Hanna, Dean
College of Liberal Arts and Sciences
Feb. 2, 2005

Public Administration Minor*

Program Code: ULASPUBAD2
Version Number: 1858--Fall 1985

A minor in public administration must be declared in the office of the Department of Political Science—Old Main 318

1. Required Courses: 6 s.h.		**Gr.**	**s.h.**
POL 10	American Government		
POL 115	Public Administration		
2. Elective Courses: 12 s.h.**		**GR.**	**s.h.**
Selective any four courses from the following:			
POL 50	State and Local Government		
POL 135	Urban Politics (formerly POL 340)		
POL 225	Planning and Decision Making		
POL 346	Public Budgeting and Fiscal Management		
POL 347	Human Resource Management		
POL 425	Public Policy Making		
POL 465	Administrative Law		

*Students must maintain at least a 2.0 GPA in the minor courses.

**At least three elective courses need to be at the 100 level or above.

cld
7/18/14

Minor Program: Social Work (18 S.H.)

Department of Social Work

Program #	00072
Version #	963
Effective:	Fall 1995
Check Sheet Reviewed:	5/09

I. Required Courses: 18 S.H.	GR.	S.H.
SWK 100 Into. to SWK & Social Welfare		3
SWK 130 Poverty & Social Welfare		3
SWK 160 Human Behavior & Soc. Envir.		3
*SWK 200 Prof. Context of SWK Practice		3
SWK 255 Social Welfare Policy		3
Select one of the following courses:		
**SWK/NUR 320 Case Management – An Interdisciplinary Approach or		3
SWK		

Student Name: _____

Advisement Notes

NOTES:

* A grade of "C" or better is required in SWK 200.

** SWK/NUR 320 is the recommended elective. Another elective may be taken with the permission of the Departmental Chair.

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Sociology Minor Program

Department of Anthropology & Sociology (18 S.H.)

Program	ULASSOCIL2
Program Effective Date	January 20, 2015
Review Date	March 2014

I. Required Courses: 9 SH	**GR**	**SH**
SOC 010CD Principles of Sociology		3
Select ONE course from the following:	**GR**	**SH**
SOC 260CD Social Stratification		3
SOC 270 Sociology of Organizations		3
SOC 275 Social Found. of Human Beh.		3
SOC 310 Foundations of Social Theory		3
Select ONE course from the following:	**GR**	**SH**
SOC 207CDWI Families and Social Class		3
SOC 230CDCT Urban Sociology		3
SOC 235CDWI Sociology of Gender		3
SOC 245CD Sociology of Deviance		3
II. 9 SH of SOC courses ***	**GR**	**SH**

Advisement Notes
At least 9 total S.H. must be taken at the 200 level or above
***Cannot count as an elective if used as a required course

Minor Program: Spanish
Department of Modern Language Studies (21 S.H. minimum)

Program # **ULASSPANI2** Version # 2188
Program Effective: Fall 2018 Check Sheet Reviewed: 11/2017

1. Required Courses: 12 S.H.	**GR**	**S.H.**
SPA 103 Intermediate Spanish III **OR** SPA 105 Intermediate Spanish for Business I		
SPA 104 Intermediate Spanish IV **OR** SPA 106 Intermediate Spanish for Business II		
SPA 207WI Writing in Spanish for the Professional World **OR** SPA 212WI Spanish Composition		
SPA 213CM Advanced Conversation in Spanish (**Required** for non-native/non-heritage learners of Spanish) **OR** SPA 214CDCM* Written and Oral Communication for Spanish-speaking Heritage Learners (**Required** for native or heritage learners of Spanish)		

*ADVISEMENT NOTE: SPA 214CDCM is the **required** communication course for native or heritage learners of Spanish; in other words it is for students who speak Spanish at home who may or may not have had formal education in Spanish. Native or heritage learners of Spanish are **not** permitted to take SPA213CM.

2. Spanish Electives: 9 S.H.**	**GR**	**S.H.**
Any three SPA courses above SPA214CDCM:		
SPA		
SPA		
SPA		

**ADVISEMENT NOTE: One of these requirements may be met outside the MLS Department with advisor and chair approval.

Clearance for Graduation: Total Semester Hours Completed: _____

Signatures:

Spanish Minor Advisor: _____

MLS Department Chairperson: _____

Approved: _____ Dean, College of Liberal Arts & Sciences

Minor Program: **Spanish for Modern Business**
Department of Modern Language Studies

(21 S.H. Minimum)

Program # ULASSPABU2
Version # 2158
Program Effective: Fall 2015
Check Sheet Reviewed: 8/14

1. Required Courses: 15 S.H.	**GR**	**S.H.**
SPA 105 Intermediate Spanish for Business I		3
SPA 106 Intermediate Spanish for Business II		3
SPA 207 Writing in Spanish for the Professional World		3
SPA 291 Advanced Business Practices and Cultures I		3
SPA 292 Advanced Business Practices and Cultures II		3

2. Spanish / MLS Electives: 6 S.H.*	**GR**	**S.H.**
SPA 225 Introduction to Spanish/ English Translation		3
SPA 363 Spanish and Entrepreneurship		3
SPA 390 International Internship^		1-9
MLS 363 The Entrepreneurial Language Professional		3

*One of these requirements may be another SPA course with the approval of the Department Chair and the Academic Advisor.

^SPA 390 is strongly encouraged.

Advisement Notes

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved:_____
Dean, College of Liberal Arts & Sciences

STUDENT: STUDENT ID NUMBER:

KUTZTOWN UNIVERSITY

COLLEGE OF LIBERAL ARTS & SCIENCES • COMPUTER SCIENCE: WEB DEVELOPMENT MINOR

Academic Plan: ULASCSCWD2 **Version Number: 2168 – Fall 2016** **Effective Date: August 29, 2016**

PROGRAM REQUIREMENTS FOR WEB DEVELOPMENT MINOR

Minor Program: 18 credits*		
1. Required Courses – 9 credits	CR	GR
CSC120: Introduction to Creative Graphical Coding OR CSC135: Computer Science I	3	
CSC242: Web Programming	3	
CSC342: Web Technologies	3	
2. Elective Courses – 9 credits		
CDE022: Introduction to Digital Design I OR CSC020: Computer Graphics	2 - 3	
CDE140: Digital Translation	3	
CDE276: Interactive Design I: Web Design	4	
CDE277: Interactive Design II: Multimedia	4	
CSC220: Object-Oriented Multimedia Programming	3	
CSC330: Introduction to Mobile Architecture and Systems	3	

Advisement Notes

* For the Web Development minor:
  - A student must take at least two courses at the 100 level or above from a department outside their major
  - No student may count more than three courses from their major program checksheet

COLLEGE OF VISUAL & PERFORMING ARTS

The mission of the College of Visual and Performing Arts is to provide an innovative contemporary education to prepare future leaders in art, design, media, music, and communication. Our students have it all: the intensity, the immersion, and the creative environment of an art, design, media, music, or communication school plus the energy, excitement, and diversity that large universities offer. Select a single major, add a minor, or declare a double major; find the passion that prepares you for the future of your dreams. No matter which program you choose, creative avenues abound to develop your skills, practice your techniques, and cultivate your vision. This is where our excellent faculty, over 100 strong, come in. Our professors are committed to your growth as an individual. Experts in their field, they are passionate about inspiring students to meld their passions with ideas from the larger university. Expand your horizons. Study on our picturesque campus in a tranquil atmosphere away from distractions. Hear world-class artists at KU Presents! and attend Faculty First Thursdays. Be inspired by the big city life of Philadelphia, New York City, Baltimore, or Washington on a field trip or with the Art Bus. Venture further afield with a study abroad experience. The choices are boundless. Imagine a community that values your creativity. Discover the arts at Kutztown University.

-Dr. Michelle Kiec, Dean

Bachelor of Arts

B.A. Art History

B.A. Communication Studies

B.A. Music

B.A. Music: Commercial Music

B.A. Music: Performance

Bachelor of Fine Arts

B.F.A. Applied Digital Arts

B.F.A. Communication Design

B.F.A. Crafts

B.F.A. Studio Art

Bachelor of Science

B.S. Art Education: Alternative Settings

B.S. Cinema, Television, and Media Production

B.S. Music Education

B.S. Social Media Theory and Strategy

Minors

Art

Art Education

Art History

Audio Engineering

Cinema, Television, & Media Production

Communication Studies

Crafts

Jazz

Music

Music History

Performance and Storytelling

Social Media Theory and Strategy

NAME

ID NUMBER

EFFECTIVE DATE
AUGUST 27, 2018

VERSION
2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3
CREDITS EARNED: 0

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED: 12
CREDITS EARNED: 0

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED: 9-12
CREDITS EARNED: 0

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	Directed: CSC 101		
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPAARTHIS	ART HISTORY
EFFECTIVE DATE: FALL 2018	*BACHELOR OF ARTS*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

Art History Core

COURSE	CR	GRADE
ARH 124: ART HISTORY A	3	
ARH 125: ART HISTORY B	3	
ARH 126: ART HISTORY C	3	
ARH 128: GLOBAL ART SURVEY	3	
ARH 380: ART HISTORY SEMINAR	3	
ARH 390: INTERNSHIP IN ART HISTORY	3	
TOTAL CREDITS 18		

Art History Electives *STUDENTS WILL SELECT 18 CREDITS OF ARH COURSES AT THE 300-LEVEL **

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 18		

Studio Art *STUDENTS WILL SELECT 6 CREDITS OF FAR COURSES #*

COURSE	CR	GRADE
FAR	3	
FAR	3	
TOTAL CREDITS 6		

Electives *STUDENTS WILL SELECT 36 CREDITS FROM ANY PREFIX COURSES ^*

COURSE	CR	GRADE
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
TOTAL CREDITS 36		

NOTE: Per PASSHE policy, pursuit of <u>both</u> a BA in Art History <u>and</u> any BS or BFA program requires 150 credits to earn both degrees.

** Students cannot earn credit for ARH 024 AND 124, ARH 025 AND 125, or ARH 026 AND 126 toward the major requirements of this program.*

 # Studio Art courses without prerequisites include: FAR 14 Elements of Drawing for Non-Art Majors; FAR 61 Introduction to Darkroom Photography for Non-Art Majors; FAR 62 Digital Photo for Non-Art Majors. Double majors or minors may use FAR studio courses from their major or minor to fulfill this requirement.

^ Consult your advisor when scheduling free electives. Many disciplines are suggested to complement Art History offerings or for preparing students interested in particular career paths or concentrations. Such areas include but are not limited to: ANT, ARC, ARH, ART, ARU, CDE, CDH, CFT, CHM, COM, EDU, ENG, FAR, FAS, HIS, INT, LIB, MUS, PAG, PHI, POL, PSY, SOC, THE, TVR, WGS, and WRI, among others. Most graduate programs in Art History require a foreign language; Modern Language electives are suggested for students interested in further study.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42**		ELECTIVES	**36**	
PROGRAM CREDITS	**42**		QPA	**2.0**	
TOTAL CREDITS	**120**				

DEPARTMENT OF ART & ART HISTORY
B.A. ART HISTORY
FOUR-YEAR PLAN

FIRST YEAR – FALL SEMESTER	
ARH 124 – Art History A	3 cr.
FYS 100 – First Year Seminar	3 cr.
General Education	3 cr.
General Education	3 cr.
General Education	3 cr.
Total	*15 cr.*

FIRST YEAR – SPRING SEMESTER	
ARH 125 – Art History B	3 cr.
General Education	3 cr.
General Education	3 cr.
General Education	3 cr.
General Education	3 cr.
Total	*15 cr.*

SECOND YEAR – FALL SEMESTER	
ARH 126 – Art History C	3 cr.
Studio Art (FAR) Course #1	3 cr.
General Education	3 cr.
General Education	3 cr.
General Education	3 cr.
Total	*15 cr.*

SECOND YEAR – SPRING SEMESTER	
ARH 128 – Global Art Survey	3 cr.
Studio Art (FAR) Course #2	3 cr.
General Education	3 cr.
General Education	3 cr.
General Education	3 cr.
Total	*15 cr.*

THIRD YEAR – FALL SEMESTER	
ARH Elective #1 (300-level)	3 cr.
ARH Elective #2 (300-level)	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area of Free Elective	3 cr.
Total	*15 cr.*

THIRD YEAR – SPRING SEMESTER	
ARH Elective #3 (300-level)	3 cr.
ARH Elective #4 (300-level)	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Total	*15 cr.*

FOURTH YEAR – FALL SEMESTER	
Art History Internship (ARH 380)	3 cr.
ARH Elective #5 (300-level)	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Total	*15 cr.*

FOURTH YEAR – SPRING SEMESTER	
Seminar in Art History (ARH 390)	3 cr.
ARH Elective #6 (300-level)	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Minor Area or Free Elective	3 cr.
Total	*15 cr.*

Advising Notes

- Kutztown University requires 120 total credit hours for graduation. The General Education program consists of 42 credits, while the B.A. in Art History requires an additional 42 credits with 36 credits remaining for free electives, minors, or a second major. Per PASSHE policy, pursuit of ***both*** a B.A. in Art History ***and*** any B.S. or B.F.A. program requires 150 credits to earn both degrees.
- Many subjects related to Art History can be studied at Kutztown University as part of minor programs or double majors. Such complementary subjects include: Anthropology, Digital Communication & New Media, History, Literature, Library Science, Music History, Pennsylvania German Studies, Philosophy, Political Science, Professional Writing, Sociology, Studio Art, Women's Gender & Sexuality Studies, and many others.
- Most graduate programs in Art History require a foreign language; Modern Language electives are suggested for students interested in further study.
- Studio art courses without prerequisites include: FAR 14 (Elements of Drawing for Non-Art Majors); FAR 61 (Introduction to Darkroom Photography for Non-Art Majors); FAR 62 (Digital Photography for Non-Art Majors).

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

MAJOR PROGRAM (42 Credits) and Free Electives (36 Credits)

Communication Studies- Major Program

REQUIRED COURSES (12 credits)

Must follow the sequence given

A GRADE OF "C" OR ABOVE IS REQUIRED IN ALL REQUIRED COURSES.

	RC	CR	GR		
COM 140: Intro to Communication Studies	3				
COM 240: Survey of Communication Studies	3				
COM 340: Comm Research Methods & Writing	3				
COM 380: Senior Capstone	3				

Students are encouraged to select a focus area with their advisor as they develop their academic plan. These focus areas may include:

- **Interpersonal Communication**
- **Media Studies**
- **Performance Studies**
- **Rhetoric & Civil Engagement**
- **Strategic Communication**

Nine (9) credits at 300 level or above. Internship credits may not be used in this section.

	RC	CR	GR		
COM	3				
COM	3				
COM	3				

Twelve (12) credits at 200 level or above. Internship credits may not be used in this section.

	RC	CR	GR		
COM	3				
COM	3				
COM	3				
COM	3				

Nine (9) credits at any level

	RC	CR	GR		
COM	3				
COM	3				
COM	3				

Only three (3) credits of COM 390 Internship may be used in meeting the requirements for the major. Additional Internship credits may be applied to the free electives.

Note: Acceptance into an internship requires the approval of advisor, department, and client. Internships are neither required nor guaranteed in the B.A. Communication Studies Program.

COM 010 Fundamentals of Oral Communications Grade

_____"C" or better required (Gen. Ed. Requirement)

Successful Completion and Review of Student Portfolio

Students will maintain a portfolio of their academic work throughout their time as a major. This portfolio will be rev reviewed by a committee of faculty members approximately halfway and at the end of their time in the major at Kutztown University. **Students must "pass" the portfolio requirement.**

_____ PASS _____ FAIL

FREE ELECTIVES: Any course carrying University credit

Students are encouraged to work towards the completion of a minor or a second major.

FREE ELECTIVES (36 credits)

	RC	CR	GR	
1.	3			
2.	3			
3.	3			
4.	3			
5.	3			
6.	3			
7.	3			
8.	3			
9.	3			
10.	3			
11.	3			
12.	3			

Recommended Course Sequence

Bachelor of Arts in Communication Studies

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
COM 010 Fund. of Oral Communication	COM XXX Any COM Elective	COM 140	COM XXX Any COM Elective	COM 240 Survey of COM Theory	COM 2XX 200 level COM Elective	COM 340 Research Method	COM 380 Senior Capstone
CMP 100 Gen Ed	CMP 200 Gen Ed	COM 2XX 200 level COM Elective	COM 2XX 200 level COM Elective	COM XXX Any COM Elective	COM 2XX 200 level COM Elective	COM 3XX 300 level COM Elective	COM 3XX 300 level COM Elective
FYS 100 Gen Ed	Gen Ed B, C, or D Elective	Gen Ed A4 Req.	Gen Ed B, C or D Elective	Gen Ed B, C, or D Elective	Open Elective	COM 3XX 300 level COM Elective	Open Elective
Gen Ed B, C, or D Elective	Gen Ed B, C, or D Elective	Gen Ed B, C, or D Elective	Open Elective	Gen Ed D Elective	Open Elective	Open Elective	Open Elective
Gen Ed B, C, or D Elective	Gen Ed B, C, or D Elective	Open Elective	Open Elective	Open Elective	Open Elective	Open Elective	Open Elective

General Education Requirements

Lower-Division Requirements

Upper Division Requirements

Open Elective Gen Ed B, C, or D Elective

Core Class

Kutztown University, Department of Music, B.A. Music, Fall 2018 version UVPAMUSIC

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 _____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENTS MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		_____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

SPECIALIZATION: 42 S.H.

1. Required Music Courses: 17 S.H.	RC	CR	GR
Take each of the following courses:			
MUS 101 Aural Skills I#	2		
MUS 102 Harmony & Theory I#	3		
MUS 201 Aural Skills II#	2		
MUS 202 Harmony & Theory II#	3		
MUS 213 Aural Skills III#	2		
MUS 214 Harmony & Theory III#	3		
MUS 325 Conducting#	2		

2. Music Literature: 6 S.H.			
Take each of the following courses:			
MUS 311 Mus Ancient Times to 1750#	3		
MUS 312 Mus from 1750 to Present#	3		

3. Applied Music Courses: 16 S.H.			
a. Private Instruction: 7 S.H.			
MUP#	1		
MUP#	1		
MUP#	1		
MUP#	1		
MUP#	1		
MUP#	1		
MUP#	1		
b. Ensembles: 8 S.H.			
♦ Large Ensembles in Major Area (6 semesters)			
MUP	1		
MUP	1		
MUP	1		
MUP	1		
MUP	1		
MUP	1		
♦ Small Ensembles in Major Area (2 semesters)			
MUP	1		
MUP	1		
c. MUP 399: Senior Recital#	1		

4. Music Electives: 3 S.H.			
Select one advanced MUS course: MUS			
	3		

ELECTIVES: 36 S.H.

These courses require a "C" or better.
The student must achieve a "C" or better in the Major Performance Area to continue as a Music Major.

FOUR-YEAR PROGRAM PLAN
BA MUSIC

FIRST YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 101	AURAL SKILLS I	2		MUS 201	AURAL SKILLS II	2
MUS 102	HARMONY AND THEORY I	3		MUS 202	HARMONY AND THEORY II	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
A.3.	SPEAKING - COMMUNICATING	3		A.1.	CMP 1XX - COMMUNICATING	3
B.1.	UNDERSTANDING SELF & OTHERS	3		C.2.	SCIENCE & TECH - QUANTATIVE REASO	3
FYS 100	FIRST YEAR SEMINAR	3			ELECTIVE	3
Total		**16**		Total		**16**

SECOND YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 213	AURAL SKILLS III	2		MUS 325	CONDUCTING	2
MUS 214	HARMONY AND THEORY III	3		MUS	MUSIC ELECTIVE	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
C.1.	SCIENCE & TECH - SCIENTIFIC INQUIRY	3		B.2.	UNDERSTANDING SELF & OTHERS	3
	ELECTIVE	3		D.1.	UNDERSTANDING & CREATING IDEAS	3
B.2.	UNDERSTANDING SELF & OTHERS	3			ELECTIVE	3
Total		**16**		Total		**16**

THIRD YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 311	MUSIC FROM ANCIENT TIMES TO 1750	3		MUS 312	MUSIC FROM 1750 TO PRESENT	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
A.2.	CMP 2XX - COMMUNICATING	3		D.3.	UNDERSTANDING & CREATING IDEAS	3
D.2.	UNDERSTANDING & CREATING IDEAS	3		A.4.	COMMUNICATING ABOUT THE WORLD	3
	ELECTIVE	3			ELECTIVE	3
Total		**14**		Total		**14**

Fourth Year						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUP	PRIVATE INSTRUCTION	1		MUP 399	SENIOR RECITAL	1
MUP	SMALL ENSEMBLE	1		MUP	SMALL ENSEMBLE	1
B.3.	UNDERSTANDING SELF & OTHERS	3		MUP/MUS	ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
Total		**14**		Total		**14**

Kutztown University, Department of Music, B.A. Commercial Music, Fall 2018 version UVPAMUSCM

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 _____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENTS MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		_____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

SPECIALIZATION: 42 S.H.

1. Required Music Courses: 15 S.H.	RC	CR	GR
Take each of the following courses:			
MUS 101 Aural Skills I #	2		
MUS 102 Harmony & Theory I #	3		
MUS 201 Aural Skills II #	2		
MUS 202 Harmony & Theory II #	3		
MUS 308 Jazz and Commercial Arranging #	2		
MUS 195 Music in Human Experience #	3		

2. Commercial Core: 15 S.H.			
Take each of the following courses:			
MUS 121 Fundamentals of Music Business #	3		
MUS 215 American Popular Music #	3		
MUS 292 Audio Engineering I #	3		
MUS 450 Performing Arts Administration #	3		
MUS 391 Field Experience in Music #	3		

3. Applied Music Courses: 12 S.H.			
a. Private Instruction: 5 S.H.			
MUP #	1		
MUP #	1		
MUP #	1		
MUP #	1		
MUP #	1		
b. Ensembles: 7 S.H.			
♦ Large Ensembles in Major Area (4 semesters)			
MUP	1		
MUP	1		
MUP	1		
MUP	1		
♦ Small Ensembles in Major Area (3 semesters)			
MUP	1		
MUP	1		
MUP	1		

ELECTIVES: 36 S.H.

Courses require a "C" or better.
The student must achieve a "C" or better in required Private Instruction to continue as a Music Major.
Piano Proficiency is required.

FOUR-YEAR PROGRAM PLAN
COMMERCIAL MUSIC

FIRST YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 101	AURAL SKILLS I	2		MUS 201	AURAL SKILLS II	2
MUS 102	HARMONY AND THEORY I	3		MUS 202	HARMONY AND THEORY II	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
A.3.	SPEAKING - COMMUNICATING	3		A.1.	CMP 1XX - COMMUNICATING	3
B.1.	UNDERSTANDING SELF & OTHERS	3		C.2.	SCIENCE & TECH - QUANTATIVE REASO	3
FYS 100	FIRST YEAR SEMINAR	3			ELECTIVE	3
Total		**16**		Total		**16**

SECOND YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 214	JAZZ AND COMMERCIAL ARRANGING	2		MUS	FUNDAMENTALS OF MUSIC BUSINESS	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	SMALL ENSEMBLE	1
C.1.	SCIENCE & TECH - SCIENTIFIC INQUIRY	3		C.3.	SCIENCE & TECHNOLOGY	3
	MUS 129 RECORDING TECHNOLOGY SURVEY	3		D.2.	UNDERSTANDING & CREATING IDEAS	3
B.2.	UNDERSTANDING SELF & OTHERS	3		MUS 292	AUDIO ENGINEERING 1 (CP)	3
D.1.	UNDERSTANDING & CREATING IDEAS	3				
Total		**16**		Total		**14**

THIRD YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 195	MUSIC IN HUMAN EXPERIENCE (CDWI)	3		MUS 215	AMERICAN POPULAR MUSIC (WI)	3
MUP	PRIVATE INSTRUCTION	1		MUP	LARGE ENSEMBLE	1
MUP	SMALL ENSEMBLE	1		MUS 450	PERFORMING ARTS ADMIN (WI)	3
B.3.	UNDERSTANDING SELF & OTHERS	3		A.4.	COMMUNICATING ABOUT THE WORLD	3
A.2.	CMP 2XX - COMMUNICATING	3		D.3.	UNDERSTANDING & CREATING IDEAS	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3				
Total		**17**		Total		**16**

Fourth Year						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUP	SMALL ENSEMBLE	1		MUS 391	FIELD EXPERIENCE IN Music	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3				
Total		**13**		Total		**12**

Kutztown University, Department of Music, B.A. Music Performance, Fall 2018 version UVPAMUSP

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 _____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENTS MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		_____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

SPECIALIZATION: 42 S.H.

1. Required Music Courses: 20 S.H.	RC	CR	GR	CAC
Take each of the following courses:				
MUS 101 Aural Skills I#	2			
MUS 102 Harmony & Theory I#	3			
MUS 201 Aural Skills II#	2			
MUS 202 Harmony & Theory II#	3			
MUS 213 Aural Skills III#	2			
MUS 306 Techniques and Materials of Musical Composition#	2			
Must take either MUS 195 & MUS 215 or MUS 311 & MUS 312:				
MUS 195WI Music in Human Experience# or MUS 311WI Music from Ancient Times to 1750#	3			
MUS 215CDWI American Popular Music# or MUS 312CDWI Music from 1750 to the Present#	3			
2. Applied & Performance Core Courses: 22 S.H.				
a. Private Instruction: 7 S.H.				
MUP#	1			
MUP#	1			
MUP#	1			
MUP#	1			
MUP#	1			
MUP#	1			
MUP#	1			
b. Ensembles: 11 S.H.				
♦ Large Ensembles in Major Area (6 semesters)				
MUP	1			
MUP	1			
MUP	1			
MUP	1			
MUP	1			
MUP	1			
♦ Small Ensembles in Major Area (5 semesters)				
MUP	1			
MUP	1			
MUP	1			
MUP	1			
MUP 287 New Music Ensemble	1			
c. MUP 399: Senior Recital#	1			
d. Supportive Performance Courses (3 S.H.)				
MUP 270 Studio Performance Seminar	1			
MUS 302 The Modern Private Music Teacher or MUS 304 The Professional Classical Musician *or* MUS 305 The Professional Jazz Musician	1			
MUU 299 Music Education Lab – Eurhythmics/Improvisation/Health	1			

ELECTIVES: 36 S.H.

Suggested Music Electives:				

These courses require a "C" or better.
The student must achieve a "C" or better in the Major Performance Area to continue as a Music Major

FOUR-YEAR PROGRAM PLAN
BA MUSIC PERMORMANCE

FIRST YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 101	AURAL SKILLS I	2		MUS 201	AURAL SKILLS II	2
MUS 102	HARMONY AND THEORY I	3		MUS 202	HARMONY AND THEORY II	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
MUP 277	STUDIO PERFORMANCE SEMINAR	1		A.1.	CMP 1XX - COMMUNICATING	3
A.3.	SPEAKING - COMMUNICATING	3		C.2.	SCIENCE & TECH - QUANTATIVE REASO	3
FYS 100	FIRST YEAR SEMINAR	3			ELECTIVE	3
Total		**14**		Total		**16**

SECOND YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 213	AURAL SKILLS III	2		D.1.	UNDERSTANDING & CREATING IDEAS	3
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		B.2.	UNDERSTANDING SELF & OTHERS	3
C.1.	SCIENCE & TECH - SCIENTIFIC INQUIRY	3		IV.B.	MUS 310 COMP & ARRANGING	3
	HARMONY AND THEORY III	3		MUP	LARGE ENSEMBLE	1
B.1.	UNDERSTANDING SELF & OTHERS	3			ELECTIVE	3
MUU 299	MUS ED LAB-HEALTH,IMPROV,RHYTHM	1		C.3.	SCIENCE & TECHNOLOGY	3
MUP	SMALL ENSEMBLE	1				
Total		**15**		Total		**17**

THIRD YEAR						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUS 311	MUSIC FROM ANCEINT TIMES TO 1750	3		MUS 312	MUSIC FROM 1750 TO PRESENT	3
MUP	PRIVATE INSTRUCTION	1		MUP	LARGE ENSEMBLE	1
MUP	SMALL ENSEMBLE	1		MUP 287	NEW MUSIC ENSEMBLE	1
A.2.	CMP 2XX - COMMUNICATING	3		D.3.	UNDERSTANDING & CREATING IDEAS	3
D.2.	UNDERSTANDING & CREATING IDEAS	3		A.4.	COMMUNICATING ABOUT THE WORLD	3
	ELECTIVE	3			ELECTIVE (MUS 121 Music Business)	3
MUS 307	TECHNIQUES OF MUSICAL COMPOSITION	2		MUP	PRIVATE INSTRUCTION	1
Total		**16**		Total		**15**

Fourth Year						
Fall Semester				*Spring Semester*		
Course	*Title*	*Credits*		*Course*	*Title*	*Credits*
MUP	SMALL ENSEMBLE	1			ELECTIVE	3
MUS 30X	MUS 302, 304, OR 305 PROF/PRIVATE	1			ELECTIVE	3
B.3.	UNDERSTANDING SELF & OTHERS	3			ELECTIVE	3
	ELECTIVE	3			ELECTIVE	3
	ELECTIVE	3		MUP 399	SENIOR RECITAL	1
MUP	LARGE ENSEMBLE	1		MUP	SMALL ENSEMBLE	1
MUP	PRIVATE INSTRUCTION	1				
Total		**13**		Total		**14**

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPAAPD	
EFFECTIVE DATE	APPLIED DIGITAL ARTS
FALL 2018	
VERSION NUMBER	*BACHELOR OF FINE ARTS*
2188	

STUDENT:	STUDENT ID NUMBER:

Foundations

COURSE	CR	GRADE
FAR 015: DRAWING I	3	
ART 031: 2D DESIGN	3	
FAR 016: DRAWING II	3	
ART 032: 3D DESIGN	3	
CDE 010: DIGITAL FOUNDATION ♦	3	
TOTAL CREDITS 15		

Core Program

COURSE	CR	GRADE
APD 141: VISUAL STORYTELLING AND CHARACTER DESIGN	3	
ART 251: SOUND ART	3	
ART 231: DIGITAL ANIMATION	3	
ART 171: COMPUTER AIDED MODELING AND RENDERING	3	
CSC 120: INTRO TO CREATIVE GRAPHICAL CODING	3	
APD/CFT 271: 3D PROTOTYPING	3	
APD 240 INTRO TO 3D ANIMATION	3	
APD 250: ADVANCED ANIMATION TECHNIQUES I	3	
APD 260: ADVANCED ANIMATION TECHNIQUES II	3	
APD 320 DIGITIAL TEAM PROCESS	3	
APD 370 SENIOR PROJECT I	3	
APD 380: SENIOR PROJECT II	3	
TOTAL CREDITS 36		

Art History and Theory

COURSE	CR	GRADE
ARH 027: HISTORY OF APPLIED DIGITAL ARTS	3	
APD 302: DIGITAL FUTURES	3	
ARH 024, ARH 025, ARH 026, CDH 150, OR CDH 151	3	
ENG 119, ENG 244, ENG 246, OR ARH 300 LEVEL COURSE	3	
TOTAL CREDITS 12		

Related Required Courses

STUDENTS WILL SELECT ONE RELATED DISCIPLINE AND TAKE 18 CR (SEE NEXT PAGE FOR OPTIONS)

COURSE	CR	GRADE
TOTAL CREDITS 18		

Directed General Education Courses

THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE APPLIED DIGITAL ARTS PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED TO TAKE MORE THAN 120 CREDITS TO FINISH THIS DEGREE.

COURSE	✓	CR	CATEGORY
♦ CDE 010: DIGITAL FOUNDATION		3	D
TOTAL CREDITS 3			

♦ THIS COURSE IS ALSO A DIRECTED GENERAL EDUCATION COURSE

Admission to Applied Digital Arts: An art test or portfolio review is required for entrance into the Applied Digital Arts Program from High School. Transfer students are required to submit a portfolio of work for entry into the Applied Digital Arts Program. Please contact the Admissions Office. Internal Transfer students are required to present a portfolio. Please speak to the department secretary for instructions.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	**42**		QPA	**2.0**	
PROGRAM CREDITS	**78**				
TOTAL CREDITS	**120**				

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPAAPD	APPLIED DIGITAL ARTS
EFFECTIVE DATE: FALL 2018	*BACHELOR OF FINE ARTS*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

Related Required Courses

STUDENTS WILL SELECT ONE RELATED DISCIPLINE AND TAKE 18 CR.

Motion Graphics

COURSE	CR	GRADE
CDE 130: TYPOGRAPHY	3	
CDE 252: DIGITAL ILLUSTRATION	4	
ART/FAR 182: INTRO TO TIME BASED MEDIA	3	
CDE 366: MOTION GRAPHICS	2	
CDE 346: MOTION GRAPHICS II	2	
APD 390: INTERNSHIP OR ELECTIVE	4	
TOTAL CREDITS 18		

Interactive Media

COURSE	CR	GRADE
CDE 130: TYPOGRAPHY	3	
CDE 140: INTRODUCTION TO WEB DESIGN	3	
CSC 220: OBJECT-ORIENTED MULTIMEDIA PROGRAMMING	3	
CDE 347: INTERACTIVE SPACES	2	
CDE 348: VR/AR/MIXED REALITY	2	
CDE 349: PHYSICAL COMPUTING	2	
APD 390: INTERNSHIP OR ELECTIVE	3	
TOTAL CREDITS 18		

Game Development

COURSE	CR	GRADE
APD 148: GAME DESIGN AND PROTOTYPING	3	
CSC 220: OBJECT-ORIENTED MULTI-MEDIA PROGRAMMING	3	
CSC 240: FUNDAMENTALS OF GAME DEVELOPMENT	3	
CSC 320: GAME DEVELOPMENT I	3	
CSC 423: GAME DEVELOPMENT II	3	
APD 390: INTERNSHIP OR ELECTIVE	3	
TOTAL CREDITS 18		

2D Studio Art

COURSE	CR	GRADE
FAR 111: INTRO TO PAINTING	3	
FAR 151: INTRO TO LIFE DRAWING	3	
FAR 162: INTRO TO PHOTO DIGITAL	3	
FAR 220: TOPICS IN DRAWING	3	
CDE 252: DIGITAL ILLUSTRATION	3	
APD 390: INTERNSHIP OR ELECTIVE	3	
TOTAL CREDITS 18		

3D Studio Art

COURSE	CR	GRADE
FAR 171: INTRO TO SCULPTURE	3	
FAS 370: SCULPTURE STUDIO I	3	
FAS 371: SCULPTURE STUDIO II OR CFT 200 OR HIGHER	3	
ART/FAR 386: DIGITAL SCULPTURE	3	
CFT 100 LEVEL COURSE	3	
APD 390: INTERNSHP OR ELECTIVE	3	
TOTAL CREDITS 18		

Applied Digital Arts Course Progression

BFA four year plan 15 credits each semester. If you only take 12 credits each semester your degree will take FIVE years to complete.

Freshman	Sophomore	Junior	Senior
FALL SEMESTER			
FAR 015 DRAWING I ***ART 031*** 2D DESIGN ***CDE 010*** DIGITAL FOUNDATION GENERAL EDUCATION GENERAL EDUCATION	***ART 171*** 3D MODELING ***ART 231*** DIGITAL ANIMATION ***APD 141*** VISUAL STORYTELLING & CHARACTER DESIGN ***ARH 027*** HISTORY OF APD GENERAL EDUCATION	***APD 250*** ANIMATION TECH. I ***ART 251*** SOUND ART ***RELATED COURSE II*** GENERAL EDUCATION GENERAL EDUCATION	***APD 370*** SENIOR PROJECT I ***APD 390 / ELECTIVE*** ***RELATED COURSE IV*** ***APD HISTORY / THEORY*** GENERAL EDUCATION
SPRING SEMESTER			
FAR 016 DRAWING II ***ART 032*** 3D DESIGN ***CSC 120*** INTRO GRAPHICAL CODING ***APD HISTORY / THEORY*** GENERAL EDUCATION	***APD 240*** INTRO 3D ANIMATION ***APD 271*** 3D PROTOTYPING ***RELATED COURSE I*** GENERAL EDUCATION GENERAL EDUCATION	***APD 260*** ANIMATION TECH. II ***APD 320*** TEAM PROCESS ***RELATED COURSE III*** ***APD 302*** DIGITAL FUTURES GENERAL EDUCATION	***APD 380*** SENIOR PROJECT II ***RELATED COURSE V*** GENERAL EDUCATION GENERAL EDUCATION GENERAL EDUCATION

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3

CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12

CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12

CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9

CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

BFA COMMUNICATION DESIGN *Program Code: UVPACOMDE* Version: 2188 Effective Date: 8/28/2018

COMMUNICATION DESIGN PROGRAM: 81 semester hours

I. FOUNDATION REQUIREMENTS [15 s.h.]

		S.H.	GR.
A. FAR 015: Drawing I	3		
B. ART 031: 2D Design	3		
C. FAR 016: Drawing II	3		
D. ART 032: 3D Design	3		
E. CDE 010: Digital Foundation Δ	3		

II. PROGRAM REQUIREMENTS [46 s.h.]

		S.H.	GR.
A. CDE 115: Coding	2		
B. CDE 130: Typography	3		
C. CDE 151: Intro to Illustration	3		
D. CDE 140: Intro to Interactive	3		
E. CDE 141: Intro to Design	3		
F. FAR 151: Life Drawing OR FAR 162[1]: Digital Photo	3		
G. CDE 220: Print Media Prod.	2		
H. CDE 231: Adv. Typography	3		
I. CDE 252: Digital Illustration	4		
J. CDE 238: Graphic Design	4		
K. CDE 241: Advertising Design	4		
L. CDE 276: Interactive Design	4		
M. CDE 280: Integrated Branding	4		
N. CDE 374: Portfolio Seminar	2		
O. CDE 398: Professional Practices	2		
P. CDE 399: Senior Exhibition	0		

III. PROGRAM REQUIREMENTS [20s.h.]

JUNIOR/SENIOR: Select six (6) CD Seminar courses.
Up to two (2) art electives* may be used for a total of up to 6 credits of the 12 credits required. (See catalog for complete course names and descriptions.)

		S.H.	GR.			S.H.	GR.
A.	2			D.	2/3		
B.	2			E.	2/3		
C.	2			F.	2		

SENIOR: Internship [8 s.h.]

		S.H.	GR.
G. CDE 394: Internship (2.87 QPA in major required) or 8 credits of *Art Electives	8		

IV. Additional Courses [not required]

	S.H.	GR.

[1] Could substitute FAR 161 Intro to Photography.

*Art electives may be APD, ART, CDE, CSC, CFT, CTM, FAR, FAS, MKT, SMS

ADVISEMENT NOTE: In addiiton to studio requirements, fulfillment of the Communication Design degree requires 6 credits of Graphic Design History and 6 credits of Art History.

ADMISSION TO COMMUNICATION DESIGN

An art test or portfolio review is required for entrance into the Communication Design Program from High School. Please contact the Admissions Office.

Transfer students are required to submit a portfolio of work for entry into the CD program. Please contact the Admissions Office.

INTERNAL TRANSFER

A portfolio and recommendation letters are required for an internal transfer to Communication Design. Please speak to the department secretary for instructions.

GRADUATION

The QPA requirement within Communication Design for Graduation is a 2.0.

The following courses are suggested to meet your General Education requirements:

Course	GE Category	Completed
CDH 150	II.B	_____
CDH 151	II.B	_____
ARH 124, 125, or 126**	II.D	_____
ARH ELECTIVE**	II.D	_____
Δ CDE 010	II.D	_____

** not ARH 024, 025, or 026

COMMUNICATION DESIGN 8 SEMESTER COURSE PROGRESSION *(Gen Ed & Senior Year progression is suggested)*

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR *(Interchangeable semester)*
FALL	3 FAR 015 Drawing I 3 ART 031 2D 3 ARH 124, 125 or 126 3 GEN ED (any FYS, A, C, or 1 B) 3 GEN ED (any FYS, A, C, or 1 B) **15 cr**	3 CDE 130 Typography* 3 CDE 151 Introduction* to Illustration 2 CDE 115 Coding* 3 Photo/Life Drawing 3 CDH 150 **14 cr**	4 CDE 238 Graphic Design* 4 CDE 241 Advertising Design* 4 CDE 276 Interactive Design* 2 CDE 220 Print Media Production* 3 GEN ED **15/17 cr**	2 CD Seminar 2 CD Seminar 2 CD Seminar 2 CD Seminar 2 CDE 398 Professional Practices 3 GEN ED 3 GEN ED **16 cr**
SPRING	3 FAR 016 Drawing II 3 ART 032 3D 3 CDE 010 Digital Foundation* 3 ARH 124, 125 or 126 or higher 3 GEN ED **15 cr**	3 CDE 141 Introduction to Design* 3 CDE 140 Introduction to Interactive* 4 CDE 252 Digital Illustration* 3 CDH 151 3 GEN ED **16 cr**	4 CDE 280 Integrated Branding* 3 CDE 231 Advanced Typography* 2 CDE 220 Print Media Production* 2 CD Seminar 3 GEN ED 3 GEN ED **14/16 cr**	8 CDE 394 Internship 2 CDE 374 Portfolio 2 CD Seminar 0 CDE 399 Sr. Exhibition **13 cr**

GRADE POLICY STATEMENT (Effective Fall 2009)

Policy

The Communication Design Department's Prerequisite Course Policy requires that students earn a grade of C or better in any course prefix of CDE that serves as a prerequisite for CD courses.

Consequences

This means, if one earns a D or below in a CDE course that is a prerequisite for a CD class, one will be required to repeat the course for a higher grade in order to continue in your concentration and/or the Communication Design program. Due to the highly regimented curriculum with many courses only being offered in the Fall or Spring, this will likely delay progress toward graduation a full year.

* prerequisite course

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM NUMBER	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPACFT	
EFFECTIVE DATE FALL 2018	Crafts
VERSION NUMBER	*BACHELOR OF FINE ARTS*

STUDENT: STUDENT ID NUMBER:

Foundation

COURSE		CR	GRADE
FAR 015: DRAWING I		3	
ART 031: 2D DESIGN		3	
FAR 016: DRAWING II		3	
ART 032: 3D DESIGN		3	
CDE 010: DIGITAL FOUNDATION		3	
TOTAL CREDITS	**15**		

Art Studios

COURSE		CR	GRADE
ART 171: Computer Aided Modeling and Rendering		3	
FAR 161 or 162 : Photography 1		3	
CFT 121 : Ceramics		3	
CFT 131 or 141 : Textiles		3	
CFT 151: Wood		3	
CFT 161: Fine Metals		3	
TOTAL CREDITS	**18**		

Crafts Studios : Area of Specialization: in *Ceramics, Textiles, or Fine Metals*

COURSE		CR	GRADE
CFT 3X1 : Studio 1		3	
CFT 3X2 : Studio 2		3	
CFT 3X3 : Studio 3		3	
CFT 3X4 : Studio 4		3	
CFT 3X5 : Studio 5		3	
TOTAL CREDITS	**15**		

* = THIS COURSE IS ALSO A DIRECTED GENERAL EDUCATION COURSE
ARC 261 Survey of Craft and CFT 381 Professional Practices: Entrepreneurial Studies are offered every other year.
CFT 110 Craft Design cannot be taken as an Additional Crafts Selection
CFT 271 3D Prototyping can be taken as an Additional Crafts Selection

Admission to CRAFTS: All students are required to submit a portfolio of work for entry into the CRAFTS Program. Please speak to the department secretary for instructions .

Crafts Studios : Additional Crafts Studio Selections: in *Ceramics, Textiles, or Fine Metals*

COURSE		CR	GRADE
		3	
		3	
		3	
TOTAL CREDITS	**9**		

Visual Art Studies

COURSE		CR	GRADE
* ARH 124: Intro to Western Art I		3	
* ARH 125: Intro to Western Art II		3	
* ARH Any Art History Elective		3	
ARC 241: Color		3	
ARC 261: Survey of Crafts		3	
CFT 381: Professional Practices: Entrepreneurial Studies		3	
TOTAL CREDITS	**18**		

Open Art Electives: Any art course within the Visual Arts areas with APD, ARC, ARH, ART, ARU, CDE, CDH, CFT, FAR, or FAS prefixes (excluding ART 010)

COURSE		CR	GRADE
		3	
		3	
		3	
		3	
TOTAL CREDITS	**12**		

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE CRAFTS PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS,YOU MAY NEED AS MANY AS 129 CREDITS TO FINISH THIS DEGREE.*

COURSE		✓	CR	CATEGORY
ARH 124 : Intro to Western Art I			3	D
ARH 125 : Intro to Western Art II			3	D
ARH ELECTIVE (not ARH 024, 025 or 026)			3	D
TOTAL CREDITS	**9**			

CFT 399 : Student Exhibition	CR	GRADE
	0	

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓
GENERAL EDUCATION CREDITS	42-45	
PROGRAM CREDITS	78	
TOTAL CREDITS	120	

	REQUIRED	✓
SENIOR EXHIBITION	PASS	
QPA	2.0	

BFA CRAFTS

Overview: Program Sequence Guide

Year 1		Year 2		Year 3		Year 4	
Semester 1	**Semester 2**	**Semester 3**	**Semester 4**	**Semester 5**	**Semester 6**	**Semester 7**	**Semester 8**
ART 031 *2D Design*	ART 032 3D Design	Intro Course CFT-121, 131, 141, 151,161	Studio I CFT-321, 331, 341, 351,361	Studio II CFT-322, 332, 342, 352,362	Studio III CFT-323, 333, 343, 353,363	Studio IV CFT-324, 334, 344, 354,364	Studio V CFT-325, 335, 345, 355,365 or Internship
FAR 015 Drawing I	*FAR 016* Drawing II	CDE: 010 Digital Foundation	CFT 1xx Elective	CFT 3xx Elective	CFT 3xx Elective	CFT 3xx Elective	*CFT 381 Professional Practices: Entrepreneurial Studies *CFT 399 Student Exhibition (0 credit)
ARH 124 Intro to Western Art I	*ARH 125* Intro to Western Art II	CFT 1xx Elective	CFT 1xx Elective	ART 171 Computer Aided Modeling	Open Elect. ARC, ARH, ART, ARU, CDE, CFT, FAR, FAS	Open Elect. ARC, ARH, ART, ARU, CDE, CFT, FAR, FAS	Open Elect. ARC, ARH, ART, ARU, CDE, CFT, FAR, FAS
General Education Course	General Education Course	FAR 161 or 162 Photography	ARC 261 Survey of Crafts	*ARH ELECT.*	ARC 241 Color	General Education Course	Open Elect. ARC, ARH, ART, ARU, CDE, CFT, FAR, FAS
First Year Seminar	General Education Course	General Education Course	General Education Course	General Education Course	General Education Course	General Education Course	General Education Course

ARC 261 Survey of Crafts and CFT 381 Professional Practices: Entrepreneurial Studies offered in the Spring semester on alternating years.
CFT 399 (zero credit) must be taken senior year.

NAME

ID NUMBER

EFFECTIVE DATE
AUGUST 27, 2018

VERSION
2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.

Completion of the KU General Education program will give students opportunities to:

8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3
CREDITS EARNED: 0

THIS COURSE MEETS SLO 5 & 7

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED: 12
CREDITS EARNED: 0

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	CR	GR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED: 9-12
CREDITS EARNED: 0

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	CR	GR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING	Directed: CSC 101		
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED: 9
CREDITS EARNED: 0

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	CR	GR
1				
2				
3				

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPASTDFAR	STUDIO ART
EFFECTIVE DATE: FALL 2018	*BACHELOR OF FINE ARTS*
VERSION NUMBER: 2188	

STUDENT:	STUDENT ID NUMBER:

Foundations

COURSE	CR	GRADE
FAR 015: DRAWING I	3	☐
ART 031: 2D DESIGN	3	☐
FAR 016: DRAWING II	3	☐
ART 032: 3D DESIGN	3	☐
CDE 10: Digital Foundations*	3	☐
TOTAL CREDITS 15	**0**	

Core Program *STUDENTS SHOULD COMPLETE FAR 111, FAR 141, FAR 151, FAR 161 OR FAR 162, FAR 171 AND FAR 182 DURINGTHE SOPHOMORE YEAR OR FIRST SEMESTER OF THE JUNIOR YEAR.*

COURSE	CR	GRADE
FAR 111: INTRO TO PAINTING	3	☐
FAR 141: INTRO TO PRINTMAKING	3	☐
FAR 151: INTRO TO LIFE DRAWING	3	☐
FAR 161: INTRO TO PHOTO DARKROOM *OR* FAR 162: INTRO TO PHOTO DIGITAL	3	☐
FAR 171: INTRO TO SCULPTURE	3	☐
FAR 182: INTRO TO DIGITAL MEDIA	3	☐
FAR 398: BUSINESS OF ART	3	☐
FAR 399: STUDENT EXHIBITION	0	☐
TOTAL CREDITS 21	**0**	

Studio Concentration *STUDENTS WILL SELECT ONE STUDIO CONCENTRATION AND TAKE 18 CR. (SEE NEXT PAGE FOR OPTIONS)*

TOTAL CREDITS 18	**0**	

Art History

COURSE	CR	GRADE
ARH 124: ART HISTORY A *	3	☐
ARH 125: ART HISTORY B	3	☐
ARH 126: ART HISTORY C	3	☐
ARH: 302, 303, 304, 305, 306, 307, 319, 385* (*select one course that examines pre-1780 or non-Western art history)	3	☐
ARH: Any 300 level	3	☐
TOTAL CREDITS 15	**0**	

Art Electives *STUDENTS WILL SELECT 18 CREDITS FROM THE PREFIXES ARC, ARH, ART, CDE, CDH, CFT, FAR, FAS. NOTE: ARC 015 AND FAR/CIS 020/021 ARE NOT PERMITTED.*

COURSE	CR	GRADE
TOTAL CREDITS 18	**0**	

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE STUDIO ART PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED MORE THAN 120 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	CATEGORY
♦ ARH 124: ART HISTORY A	☐	3	D
♦ CDE 10: DIGITAL FOUNDATIONS	☐	3	D
TOTAL CREDITS 6	**0**		

♦ THIS COURSE IS ALSO A DIRECTED GENERAL EDUCATION COURSE

Admission to Studio Art: An art test or portfolio review is required for entrance into the Studio Art Program from High School.
Transfer students are required to submit a portfolio of work for entry into the Studio Art Program. Please contact the Admissions Office.
Internal Transfer students are required to present a portfolio. Please speak to the department secretary for instructions.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION REQUIREMENTS	42-48	**0**	SENIOR EXHIBITION	**PASS**	☐
PROGRAM CREDITS	78	**0**	QPA	**2.0**	☐
TOTAL CREDITS	120	**0**			

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPASTDFAR	STUDIO ART
EFFECTIVE DATE FALL 2018	*BACHELOR OF FINE ARTS*
VERSION NUMBER 2188	

STUDENT:	STUDENT ID NUMBER:

Studio Concentrations *STUDENTS WILL SELECT ONE STUDIO CONCENTRATION AND TAKE 18 CR.*

Drawing

SELECT 12-18 CREDITS FROM THE COURSES BELOW:		**CR**
FAR 220-225	TOPICS IN DRAWING I-VI	3 EA
FAS 230-236	WORKS ON PAPER STUDIO I-VI	3 EA
FAR 328	OLD MASTER DRAWING MATERIALS	3
FAR 377-380	INDEPENDENT STUDY: ART STUDIO I-IV	1-3 EA
FAS 320-326	DRAWING STUDIO I-VI	3 EA
FAS 350-356	LIFE DRAWING STUDIO I-VI	3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
MAY SELECT 0-6 CREDITS FROM THE COURSES BELOW:		
FAS 380-381	LITHOGRAPHY STUDIO I-II	3 EA
FAS 380-381	PRINTMAKING STUDIO I-II	3 EA
TOTAL CREDITS		**18**

Painting

TAKE THE FOLLOWING ART ELECTIVE. 3 CREDITS TOTAL:		**CR**
FAR 131	INTRO TO WATERCOLOR ** *(** Counts as Art Electives 1d. See other side.)*	3
SELECT 18 CREDITS FROM THE COURSES BELOW:		
FAS 230 -236	WORKS ON PAPER STUDIO I-VI	3 EA
FAS 310-316	PAINTING STUDIO I-VI	3 EA
FAS 330-336	WATERCOLOR STUDIO I-VI	3 EA
FAR 377-380	INDEPENDENT STUDY: ART STUDIO I-IV	1-3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
TOTAL CREDITS		**18**

Photography

TAKE THE FOLLOWING ART ELECTIVES. 6 CREDITS TOTAL:		**CR**
FAR 161	INTRO TO PHOTO-DARKROOM **	3
FAR 162	INTRO TO PHOTO-DIGITAL ** *(** Counts in Studio Art Core 1b and Art Electives 1d. See other side. Second course may be taken <u>concurrently</u> with Photo Studio or Themes & Practices.)*	3
SELECT 12-18 CREDITS FROM THE COURSES BELOW:		
FAR 360	COLOR IN PHOTOGRAPHY	3
FAS 360-366	PHOTOGRAPHY STUDIO I-VI	3 EA
FAR 383	ADVANCED DIGITAL PHOTO	3
FAR 337-339	THEMES & PRACTICES IN PHOTO* *(*May be repeated up to 3 times for 9 credits with different theme/practice)*	3 EA
MAY SELECT 0-6 CREDITS FROM THE COURSES BELOW:		
FAR 350	VIDEO ART & MOTION GRAPHICS	3
FAR 340	WEB0BASED & INTERACTIVE ART	3
FAR 318	FILM &VIDEO AS ART	3
FAR 377-380	INDEPENDENT STUDY: ART STUDIO I-IV	1-3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
TOTAL CREDITS		**18**

Time-Based & Experimental Media

TAKE EACH OF THE FOLLOWING COURSES. 6 CREDITS TOTAL:		**CR**
FAS 300	TIME-BASED / EXPERIMENTAL MEDIA STUDIO I	3
FAS 301	TIME-BASED / EXPERIMENTAL MEDIA STUDIO II	3
SELECT 12 CREDITS FROM THE COURSES BELOW:		
FAR 318	FILM AND VIDEO AS ART	3
FAS 302-306	TIME-BASED / EXPERIMENTAL MEDIA STUDIO III-VI	3EA
FAS 350	VIDEO ART & MOTION GRAPHICS	3
FAR 340	WEB-BASED & INTERACTIVE ART	3
FAR 367	ARTIST FILM-MAKING	3
FAR 383	ADVANCED DIGITAL PHOTOGRAPHY	3
FAR 386	DIGITAL SCULPTURE	3
FAR 377-380	INDEPENDENT STUDY: ART STUDIO	1-3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
TOTAL CREDITS		**18**

Printmaking

TAKE EACH OF THE FOLLOWING COURSES. 12 CREDITS TOTAL:		**CR**
FAS 340	PRINTMAKING STUDIO I	3
FAS 341	PRINTMAKING STUDIO II	3
FAS 342	PRINTMAKING STUDIO III	3
FAS 343	PRINTMAKING STUDIO IV	3
SELECT 6 CREDITS FROM THE COURSES BELOW:		
FAR 220-225	TOPICS IN DRAWING I-VI	3EA
FAS 320-321	DRAWING STUDIO I-II	3EA
FAS 344-346	PRINTMAKING STUDIO V-VI	3EA
FAS 350-351	LIFE DRAWING STUDIO I-II	3EA
FAS 380-381	LITHOGRAPHY STUDIO I-II	3EA
FAR 377-380	INDEPENDENT STUDY: ART STUDIO I-IV	1-3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
TOTAL CREDITS		**18**

Sculpture

TAKE EACH OF THE FOLLOWING COURSES. 12 CREDITS TOTAL:		**CR**
FAS 370	SCULPTURE STUDIO I	3
FAS 371	SCULPTURE STUDIO II	3
FAS 372	SCULPTURE STUDIO III	3
FAS 373	SCULPTURE STUDIO IV	3
SELECT 6 CREDITS FROM THE COURSES BELOW:		
CFT 221	CERAMICS II	3
CFT 241	TEXTILE AND MATERIAL STUDIES II	3
CFT 251	WOOD DESIGN II	3
CFT 321-322	CERAMIC STUDIO I-II	3EA
CFT 341-345	TEXTILE STUDIO I-V	3EA
CFT 351-352	WOOD DESIGN STUDIO I-II	3EA
FAR 386	DIGITAL SCULPTURE	3
FAS 374-376	SCULPTURE STUDIO V-VI	3EA
FAR 377-380	INDEPENDENT STUDY: ART STUDIO I-IV	1-3 EA
ART 392	FIELD EXPERIENCE IN ART	6 MAX
TOTAL CREDITS		**18**

Strategy for Advisement

This is a FOUR year plan with 15 credits each semester. If you only take 12 credits each semester you will be here FIVE years.

First Semester Freshman: 15 credits
Drawing I
2-D Design
Art History I
General Education
General Education

Second Semester Freshman: 15 credits
Drawing II
3-D Design
Art History II
General Education
General Education

First Semester Sophomore: 15 credits
1st Intro Studio
2nd Intro Studio
3rd Intro Studio
Art History III
General Education

NOTES

If a student is interested in a **Sculpture** or **Printmaking** concentration, then he/she should take Intro to Sculpture/Printmaking.

Photo Concentrators should take Intro to Photography: Darkroom or Intro to Photography: Digital

Second Semester Sophomore: 15 credits
4th Intro Studio
5th Intro Studio
6th Intro Studio or Art Elective/Concentration
Art History-300 level*
General Education

NOTES

If a student is concentrating in **Painting** and would like to use watercolor Studio in the concentration he/she should take Intro to Watercolor, and make up the 6th Intro Studio in the junior year.

Students concentrating in **Photography** should take the additional Darkroom or Digital and 6th Intro junior year.

Sculpture/Printmaking concentrators should take 1st studio and 6th intro in junior year.

*Art History – choose any one ARH 302, 303, 304, 305, 306, 307, 319, 385. See checksheet
*ARH385 fulfills the non-modern requirement as long as it is pre-1780 or non-western.

First semester junior: 15 credits
1st studio concentration (2nd Sculp/Print
Art elective or 6th studio
Art Elective
Art History
Gen Ed

Second semester junior: 15 credits
2nd studio concentration (3rd Sculp/Print
Art Elective
Art Elective
Gen Ed
Gen Ed

First semester senior: 15 credits
3rd studio concentration (4th Sculp/Print)
4th studio concentration (Sculp/Art Elec)
Art Elective
Gen Ed
Gen Ed

Second semester senior: 15 credits
5th Studio concentration for all
6th Studio concentration (5th Sculp/Print Con Elec
Art Elective
Business of Art
Senior Exhibition
Gen Ed

BACHELOR OF SCIENCE: ART EDUCATION
STAGE REQUIREMENTS FOR ALTERNATIVE SETTINGS

PROGRAM UVPAARTEDA **Effective Date: SPRING 2020**

GENERAL REQUIREMENT

- As an Art Education major, you must obtain & keep current TB test and criminal background reports (clearances). See the Art Education and Crafts website or your advisor for more information on the TB test and clearances. ALWAYS MAINTAIN THE ORIGINAL COPIES OF YOUR CLEARANCES. You must have and show all clearances to register for ARU 110 and ARU 301. Clearances must be uploaded to WATERMARK/TASKSTREAM and be kept current for all ARU courses.
- You must sign Stage Requirement and Disposition forms acknowledging the requirements of this program.

STAGE I: REQUIREMENTS FOR ART EDUCATION CANDIDACY:

You are required to complete the following requirements prior to the semester earning 48 credits.

- Achieve a 3.0 quality point average (GPA).
- Maintain a positive disposition report.

CANDIDACY = You are expected to achieve candidacy at 48 credits and if not, it may delay your graduation date. You must complete the above requirements (Stage I) in order to achieve candidacy status. If you have not met and maintain the requirements, you will be restricted from taking art teacher preparation courses. These courses include ARU 310, 301, 330, 392 or 399.

STAGE II: REQUIREMENTS FOR FIELD EXPERIENCE (ARU 301) AND INTERNSHIP (ARU 392):

- Attend an Art Education Field Experience meeting the semester prior to taking ARU 301 to complete an application. Submit clearances to register for ARU 301 and ARU 392.
- Complete course prerequisites for field experience.
- Obtain a grade of “B” or better in all professional education courses. (ARU 210, 310, 330)
- Maintain 3.0 GPA overall and in Major Program.
- Complete the 30 hours observation requirement during ARU 210 & 310.
- Maintain copies of clearances and TB test results.
- Maintain a positive disposition report.
- Renew and maintain TB test and criminal background reports (clearances) as required by Act 34 Criminal History Report, Act 114 Federal Criminal History, Act 151 Child Abuse History Report, and Act 24 Reporting Arrests and Convictions Form.

Any art education candidate for whom negative disposition reports or three letters of concern are received from KU faculty, KU administrators, and/or personnel at educational settings documenting the candidate’s unsuitability for teaching may be denied entrance to candidacy and field experiences. (Applied to Stages I & II).

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:		

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
EFFECTIVE DATE SPRING 2020	ART EDUCATION – Alternative Settings
GEN ED VERSION NUMBER XXXX	BACHELOR OF SCIENCE

STUDENT: STUDENT ID NUMBER:

Foundation

COURSE	CR	GRADE
FAR 015: DRAWING I	3	
ART 031: 2D DESIGN	3	
FAR 016: DRAWING II	3	
ART 032: 3D DESIGN	3	
CDE 010: DIGITAL FOUNDATION ♦ Gen Ed D	3	
ART/FAR 182: TIME-BASED MEDIA	3	
TOTAL CREDITS 18		

Art Studio

COURSE	CR	GRADE
CFT 121: INTRO TO CERAMICS	3	
FAR 111: INTRO TO PAINTING	3	
PHOTOGRAPHY ELECTIVE: FAR 161 or 162	3	
DRAWING ELECTIVE: (Choose 1) FAR 151: LIFE DRAWING, FAS 320: DRAWING STUDIO I, FAS 350: LIFE DRAWING STUDIO I	3	
FINE ARTS ELECTIVE: Any 100 level or higher ART, CDE, FAR, FAS course	3	
CRAFTS ELECTIVE: (Choose 1) CFT 131: INTRO TO WEAVING CFT 141: INTRO TO TEXTILES/MS, CFT 151: INTRO TO WOOD DESIGN, CFT 161: INTRO TO FINE METALS	3	
STUDIO ELECTIVE: Any ART, CFT, FAR, FAS course	3	
ARU 399: SENIOR EXHIBITION Complete in SPRING semester.	0	
TOTAL CREDITS 21		

Art Studio Depth: Choose 6 credits (200-300 level) in a SINGLE artform to concentrate in a studio program such as Crafts, Fine Arts, Design & Media Arts

COURSE	CR	GRADE
200-300 LEVEL CONCENTRATION STUDIO	3	
200-300 LEVEL CONCENTRATION STUDIO	3	
TOTAL CREDITS 6		

Art History, Criticism & Theory

COURSE	CR	GRADE
ARH 124: INTRO TO WESTERN ART I♦ Gen Ed D	3	
ARH 125: INTRO TO WESTERN ART II♦ Gen Ed D	3	
ARC 200: VISUAL CULTURE: CRITICAL THEORY	3	
ARC 300: VISUAL CULTURE: CRITICAL PRACTICE♦ Gen Ed A	3	
VISUAL STUDIES ELECTIVE: Any ARC, ARH, CDH	3	
TOTAL CREDITS 15		

Art Education Courses

COURSE	CR	GRADE
ARU 132: ART IN ALTERNATIVE SETTINGS	3	
ARU 210: LEARNING IN THE VISUAL ARTS: CHILDHOOD	4	
ARU 330: STUDIO THINKING	3	
ARU 331 DESIGNING FOR DISABILITIES	3	
ARU 310: LEARNING IN THE VISUAL ARTS: ADOLESCENCE	4	
ARU 301: ART EDUCATION FIELD EXPERIENCE	3	
ARU 392: FIELD EXPERIENCE INTERNSHIP	3	
TOTAL CREDITS 23		

***ARU 210, 310, 330, and 301 must be taken in sequence. 301 must be taken the semester before 392 Internship.**

Alternative Settings Depth: Choose one of the three areas of emphasis: Museum Settings, Heath Settings, or Community Settings.

MUSEUM COURSES	CR	GRADE
ARH / ARC / ANT	3	
ARH / ARC / ANT	3	
ARH / ARC / ANT	3	
HEALTH COURSES	**CR**	**GRADE**
PSY _____, _____, _____♦ Gen Ed B	9	
COMMUNITY COURSES	**CR**	**GRADE**
ANT / COM /SOC / SWK / WRI	3	
ANT / COM /SOC / SWK / WRI	3	
CFT 381 Crafts Seminar or a course appropriate for concentration	3	
TOTAL CREDITS 9		

Directed General Education Courses *THESE GEN ED COURSES ARE ALSO PART OF THE ART ED PROGRAM. TAKE THESE COURSES TO FULFILL YOUR GEN ED REQUIREMENTS WITHOUT HAVING TO TAKE EXTRA CREDITS TO GRADUATE.*

COURSE	CR	CATEGORY
FYS 100: First Year Seminar	3	
ANY MAT (Quantitative Reasoning)	3	C
ENG 023 (CMP 1)	3	A
ANY CMP 2	3	A
SPEAKING	3	A
2 COURSES IN SCIENTIFIC INQUIRY	6	C
3 COURSES IN UNDERSTANDING SELF & OTHERS	9	B
TOTAL CREDITS 30		

♦ DENOTES COURSES IN YOUR PROGRAM THAT COUNT WITHIN THE DIRECTED GENERAL EDUCATION PROGRAM

*This professional program requires a minimum of 122 credits to complete the major.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GEN ED CREDITS		42-45	SENIOR EXHIBITION	PASS	
PROGRAM CREDITS (12 count in Gen Ed.)		93	SUCCESSFUL COMPLETION: INTERNSHIP		
TOTAL CREDITS*		122*	B OR BETTER IN ALL ARU CLASSES		
QPA		3.0	POSITIVE DISPOSITIONS REPORT		

B.S. Art Education- Alternative Settings

Overview: Program Sequence Guide

	Year 1		Year 2		Year 3		Year 4	
	Semester 1	**Semester 2**	**Semester 3**	**Semester 4**	**Semester 5**	**Semester 6**	**Semester 7**	**Sem. 8**
Studio	ART 031 2D Design	ART 032 3D Design	CFT 121 Ceramics	FAR 111 Painting	DRAWING FAR 151, FAS 320, FAS 350	FINE ART Any ART, FAR, FAS		STUDIO ELECT ART, CDE, CFT, FAR, FAS
Studio	FAR 015 Drawing I	FAR 016 Drawing II	ART 182 Time-based	Photography FAR 161 or 162	CRAFTS CFT 131, 141, 151, 161		STUDIO DEPTH I	STUDIO DEPTH II
History/ Criticism	FYS 100 First Year Seminar GE: FYS	CDE 010 Digital Foundations GE: D.1	ARH 124 Intro Western Art I GE: D.2	ARH 125 Intro Western Art II GE: D.3	ARC 200 VC: Theory	ARC 300 VC: Practice GE: A.4	VISUAL STUDIES ELECT. ARC, ARH, CDH	
General Education	MATH GE: C.2	Speaking GE: A.3	Gen. Ed. B	Gen. Ed. B			Gen. Ed. C. 3.	Scientific Inquiry GE: C.1
General Education	ENG COMP GE: A.1	ENG COMP 2 GE: A.2						Gen. Ed. B
Art Education			ARU 132 Art in Alternative Settings	ARU 210 Learning in the Visual Arts: Childhood	ARU 310 Learning in the Visual Arts: Adolescence	ARU 330 Studio Thinking	ARU 301 Early Field	ARU 392 Field Experience
Art Education						ARU 331 Designing for Disabilities		
Art Education					ALT SETTINGS DEPTH	ALT SETTINGS DEPTH	ALT SETTINGS DEPTH	ARU399
	CLEARANCES			CLEARANCES		ARU 301 Sign-up Meeting	CLEARANCES	

PROGRAM CODE	COLLEGE OF VISUAL AND PERFORMING ARTS
UVPATVR	CINEMA, TELEVISION AND MEDIA PRODUCTION
EFFECTIVE DATE FALL 2018	*BACHELOR OF SCIENCE*
VERSION NUMBER 2188	

STUDENT:	STUDENT ID NUMBER:

Program *SEE NOTE BELOW° °*

REQUIRED COURSES	CR	GRADE
CTM 10 INTRODUCTION TO CINEMA, TELEVISION AND MEDIA	3	
CTM 50 AUDIO PRODUCTION	3	
CTM 55 FUNDAMENTALS OF STUDIO PRODUCTION	3	
CTM 70 SCRIPTWRITING	3	
CTM 130 MEDIA THEORY & AESTHETICS	3	
CTM 160 CINEMATOGRAPHY	3	
CTM 205 NARRATIVE VIDEO PRODUCTION	3	
CTM 206 MASTERPIECES IN FILM HISTORY	3	
CTM 220 MEDIA LAW AND ETHICS IN THE DIGITAL AGE	3	
CTM /CDE 271 GRAPHICS FOR TELEVISION	3	
CTM 350 DOCUMENTARY	3	
CTM 365 POST PRODUCTION	3	
CTM 375 LIVE EVENT PRODUCTION	3	
CTM 380 SENIOR SEMINAR IN CINEMA, TELEVISION AND MEDIA PRODUCTION	3	
CTM 390 INTERNSHIP IN CINEMA, TELEVISION AND MEDIA PRODUCTION	12	
TOTAL CREDITS 54		

CTM ELECTIVES *CHOOSE FROM ANY NON-REQUIRED CTM COURSES.*

COURSE	✓	CR	GRADE
		3	
		3	
TOTAL CREDITS 6			

FREE ELECTIVES *SEE NOTE BELOW°*

COURSE	✓	CR	GRADE
		3	
		3	
		3	
		3	
		3	
		3	
TOTAL CREDITS 18			

THE FOLLOWING COURSE IS SUGGESTED TO MEET YOUR GEN. ED REQUIREMENTS.

COURSE	CR	GRADE	CATEGORY
CDE 010: DIGITAL FOUNDATION	3		II. D

° Students are encouraged to pursue a minor.

° ° All students must earn a "C" or higher in all required and elective CTM courses and earn a P on their senior portfolio.

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY

	REQUIRED	✓		REQUIRED	✓
GENERAL EDUCATION CREDITS	42		SENIOR PORTFOLIO	PASS	
PROGRAM CREDITS	60		GPA OVERALL	2.0	
FREE ELECTIVES	18		GPA MAJOR	2.0	
TOTAL CREDITS	120		CLEARED FOR GRADUATION	FA/SP/SU	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED: 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED: 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER / COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL CMP 1__		
2	COMPOSITION 200 LEVEL CMP 2__		
3	SPEAKING		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED: 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER / COURSE NAME	GR	CR
1			
2			
3			

C Understanding Science & Technology

CREDITS REQUIRED: 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER / COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY		
2	QUANTITATIVE REASONING		
3	ANY COURSE APPROVED FOR C1 OR C2		

D Understanding & Creating Ideas

CREDITS REQUIRED: 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER / COURSE NAME	GR	CR
1			
2			
3			

Cinema, Television and Media Production
Recommended Semester Sequence

Completion of the Program requires 120 credits

Fall Semester	CR	Spring Semester	CR
First Year		**First Year**	
FYS 100 (GE I)	3	GE II. A. (Speaking)	3
GE II. B.	3	GE II. B.	3
GE II A. (CMP 100)	3	CTM 50 or 55	3
CTM 10 or CTM 70	3	CTM 10 or CTM 70	3
CTM 55 or CTM 50	3	Free Elective	3
TOTAL	15	TOTAL	15
Second Year		**Second Year**	
GE II . A. (CMP 200)	3	GE II. C. 3	3
CTM 255	3	GE II. B.	3
CTM 130 or 220	3	GE II. A	3
CTM 250 or CTM Elective	3	CTM 250 or CTM Elective	3
Free Elective	3	CTM 130 or 220	3
TOTAL	15	Free Elective	3
		TOTAL	18
Third Year		**Third Year**	
GE II. C 1 or 2	3	GE II. D	3
GE II. D	3	GE II C 1 or 2	3
CTM 140	3	CTM 365	3
CTM 206	3	CTM Elective	3
Free Elective	3	Free Elective	3
TOTAL	15	TOTAL	15
Fourth Year		**Fourth Year**	
GE II. D	3	CTM 390	12
CTM 375	3		
CTM 380	3	TOTAL	12
CTM Elective	3		
Free Elective	3		
TOTAL	15		

Kutztown University, Department of Music, B.S. Music Education Fall 2018 version UVPAMUSED

Student Learning Outcomes (SLOs)

Upon completion of the requirements for the General Education Program, students will be able to:

1. Communicate clearly and effectively orally and in writing.
2. Apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. Apply skills in critical analysis and reasoning for the interpretation of data.
4. Engage critically with creative or artistic works.
5. Demonstrate the ability to retrieve, interpret, and evaluate information.
6. Analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. Demonstrate an understanding of various models for the development of the whole person.
8. Explore concepts, ideas, and methods from a variety of disciplines.

I. Discovering College (3 cr)
This course meets SLOs # 5 and #7

		CR	GR
First Year Seminar	FYS 101	3	____
	TOTAL CREDITS		_____

Transfer students transferring 30 credits or more and not transferring an FYS or FYE course may select **ANY approved General Education** course to meet their FYS requirement.

Course _____ 3 _____

II. A. Communicating with and about the World - (12 cr)
These courses meet SLOs #1 and #5

At least one course must be a CMP (Composition) 100 level course and one course must be a 200 level CMP course.

	Course	CR	GR
1. Composition CMP100 LEVEL	_____	___	___
2. Composition CMP200 LEVEL	_____	___	___
3. Speaking	_____	___	___
4. Any writing or speaking course (II.A.2, II.A.3) or from the approved list	_____	___	___
	TOTAL CREDITS		_____

COURSES IN CATEGORIES II.B, II.C, AND II.D MUST BE TAKEN OUTSIDE THE STUDENTS MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GEN ED REQUIREMENTS.

II. B. Understanding Self and Others - (9 credits)
These course meet SLOs # 3 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

II. C. Understanding Science & Technology - (9-11 cr)
These course meet SLOs #2 and #3

	Course	CR	GR
1. Scientific Inquiry	_____	___	___
2. Quantitative Reasoning	_____	___	___
3. ANY II.C.1 OR II.C.2 COURSE	_____	___	___
	TOTAL CREDITS		_____

II. D. Understanding and Creating Ideas – (9 credits)
These courses meet SLOs # 4 and #6

Course	CR	GR
_____	___	___
_____	___	___
_____	___	___
TOTAL CREDITS		_____

KUTZTOWN UNIVERSITY

III. SPECIALIZATION: 93 S.H. **Kutztown University Department of Music B.S. Music Education Fall 2018**

A. Required Music Courses: (30 credits)		RC	CR	GR	GEC
MUS 101	Aural Skills I#+	2			
MUS 102	Harmony & Theory I#+	3			
MUS 201	Aural Skills II#+	2			
MUS 202	Harmony & Theory II#+	3			
MUS 214	Harmony & Theory III#+	3			
MUS 213	Aural Skills III#+	2			
MUS 230	Intro to Music Technology+	3			
MUS 310	Composition & Arranging#+	3			
MUS 311	Music/Ancient Times to 1750#+*	3			
MUS 312	Music/1750 to Present#+*	3			II.D.
MUS 325	Conducting (Vocal & Instrumental)#+	2			
MUS 326	Advanced Conducting	1			
B. Applied Music Courses: (17 credits)					
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUP	Major Performance Area #	1			
MUS 224	Class Piano III+ (except Piano majors)	1			
MUS 079	Voice Class I+	1			
MUP	Large Ensembles in major area	1			
MUP	Large Ensembles in major area	1			
MUP	Large Ensembles in major area	1			
MUP	Large Ensembles in major area	1			
MUP	Large Ensembles in major area	1			
MUP	Small Ensembles in major area	1			
MUP	Small Ensembles in major area	1			
MUP 399	Senior Recital#	1			
C. Music Education Courses: (19 credits)					
MUU 220	Elementary Music Methods#+	3			
MUU 222	Secondary Music Methods#+	3			
MUU 231	String Techniques#+	1			
MUU 232	Woodwind Techniques#+	1			
MUU 233	Brass Techniques#+	1			
MUU 234	Percussion Techniques#+	1			
MUU 299	Music Ed Lab #+	1			
MUU 299	Music Ed Lab #+	1			
MUU 299	Music Ed Lab #+	1			
MUU 320	Instrumental Methods#+	3			
MUU 322	Choral Methods#+	3			
D. Professional Courses: (15 credits)					
MUU 100	Overture to Music Ed#+	3			
EDU 150	English Language Learners*	3			II.B.
SPU 201	Cognitive Dev of Diverse Learners*	3			II.B.
SPU 314	Eff Instr Strategies for Students w Disabilities	3			II.D.
SPU 316	Literacy Dev & Instruction in Core & Intervention Areas	3			
E. Clinical Component: (12 credits)					
MUU 390	Clinical Experience I#	6			
MUU 391	Clinical Experience II#	6			

The following courses are suggested to meet your General Education and Certification requirements.
If any of these are taken outside General Education, your total credits could be as high as 135.

PSY 011	General Psychology*	3			II.B.
MAT 103	Fundamentals of Mathematics I*	3			II.C.2.
MAT 104	Fundamentals of Mathematics II*	3			II.C.3.
ENG	Any Literature Course	3			II.D.
CMP 100	Composition	3			II.A.1.

CR	**Credits**
GR	**Grade (fill in)**
GEC	**Suggested to Fulfill a General Education Category Requirement**
#	**These courses require a "C" or better – the student must achieve a "C" or better in the Major Performance Area to continue as a Music Education Major.**
+	**These courses are required prior to Clinical Experience**
*****	**Fulfills a General Education Requirement**

FOUR-YEAR PROGRAM PLAN
BS MUSIC EDUCATION

FIRST YEAR

Fall Semester				*Spring Semester*		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
MUS 24	CLASS PIANO I	1		MUS 79	VOICE CLASS	1
MUS 101	AURAL SKILLS I	2		MUS 124	CLASS PIANO II	1
MUS 102	HARMONY AND THEORY I	3		MUS 201	AURAL SKILLS II	2
MUU 100	OVERTURE TO MUSIC ED	3		MUS 202	HARMONY AND THEORY II	3
MUU 231	STRING TECHNIQUES	1		MUU 234	PERCUSSION TECHNIQUES	1
C.2.	MAT *course above 017*	3		A.1.	CMP 1XX - COMPOSITION	3
FYS 100	FIRST YEAR SEMINAR	3		C.3.	MAT *course above 017*	3
Total		**18**		**Total**		**16**

SECOND YEAR

Fall Semester				*Spring Semester*		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
MUP	SMALL ENSEMBLE	1		MUP	SMALL ENSEMBLE	1
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUS 213	AURAL SKILLS III	2		MUS 230	INTRO TO MUSIC TECHNOLOGY	3
MUS 214	HARMONY AND THEORY III	3		MUS 325	CONDUCTING	2
MUS 224	CLASS PIANO III	1		MUU 220	ELEMENTARY MUSIC METHODS or	
MUU 233	BRASS TECHNIQUES	1		MUU 222	SECONDARY MUSIC METHODS	3
D.1	ENG: ANY LITERATURE COURSE	3		MUU 232	WOODWIND TECHNIQUES	1
B.1.	UNDERSTANDING SELF & OTHERS	3		B.2.	UNDERSTANDING SELF & OTHERS	3
A.3.	SPEAKING - COMMUNICATING	3		D.2.	UNDERSTANDING & CREATING IDEAS	3
Total		**18**		**Total**		**17**

THIRD YEAR

Fall Semester				*Spring Semester*		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
MUP	PRIVATE INSTRUCTION	1		MUP	PRIVATE INSTRUCTION	1
MUP	LARGE ENSEMBLE	1		MUP	LARGE ENSEMBLE	1
MUS 310	COMPOSITION & ARRANGING	3		D - MUS 312	MUSIC FROM 1750 TO PRESENT	3
MUS 311	MUSIC FROM ANCIENT TIMES TO 1750	3		MUS 326	ADVANCED CONDUCTING	1
MUU 299	MUSIC EDUCATION LAB	1		MUU 220	ELEMENTARY MUSIC METHODS or	
MUU 320	INSTRUMENTAL MUSIC METHODS or			MUU 222	SECONDARY MUSIC METHODS	3
MUU 322	CHORAL MUSIC METHODS	3		MUU 299	MUSIC EDUCATION LAB	1
A.2.	CMP 2XX - COMPOSITION	3		B.3.	UNDERSTANDING SELF & OTHERS	3
				C.1.	SCIENCE & TECH - SCIENTIFIC INQUIRY	3
Total		**15**		**Total**		**16**

FOURTH YEAR

Fall Semester				*Spring Semester*		
Course	***Title***	***Credits***		***Course***	***Title***	***Credits***
MUP	LARGE ENSEMBLE	1		MUU 390	CLINICAL EXP & PRACTICUM I	6
MUP	PRIVATE INSTRUCTION	1		MUU 391	CLINICAL EXP & PRACTICUM II	6
MUP	SENIOR RECITAL	1				
MUU 299	MUSIC EDUCATION LAB	1				
MUU 320	INSTRUMENTAL MUSIC METHODS or					
MUU 322	CHORAL MUSIC METHODS	3				
SPU 316	LITERACY DEVELOPMENT or					
MUU 535	MUSIC FOR EXCEPTIONAL LEARNER	3				
A.4.	WRITING/SPEAKING	3				
Total		**13**		**Total**		**12**

NAME
Social Media Theory & Strategy

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

KUTZTOWN UNIVERSITY

Student Learning Outcomes *(SLO)*

Upon completion of the requirements for the General Education Program, students will be able to:

1. communicate clearly and effectively orally and in writing.
2. apply scientific and quantitative reasoning to solve problems and increase knowledge.
3. apply skills in critical analysis and reasoning for the interpretation of data.
4. engage critically with creative or artistic works.
5. demonstrate the ability to retrieve, interpret, evaluate, and use information.
6. analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
7. demonstrate an understanding of various models for the development of the whole person.
8. explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED 3
CREDITS EARNED:

THESE COURSES MEET SLO 5 & 7

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED 12
CREDITS EARNED:

THESE COURSES MEET SLO 1 & 5

	COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL	CMP 1__		
2	COMPOSITION 200 LEVEL	CMP 2__		
3	SPEAKING			
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST			

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR.
THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR.
CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 3 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

C Understanding Science & Technology

CREDITS REQUIRED 9-12
CREDITS EARNED:

THESE COURSES MEET SLO 2 & 3

	COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

D Understanding & Creating Ideas

CREDITS REQUIRED 9
CREDITS EARNED:

THESE COURSES MEET SLO 4 & 6

	COURSE NUMBER	COURSE NAME	GR	CR
1				
2				
3				

Department of Communication Studies
Kutztown University

PROGRAM: UVPASMS

Effective Date: August 2018

SOCIAL MEDIA THEORY AND STRATEGY – MAJOR PROGRAM

I. REQUIRED CORE: (24 credits)	CR	GR	GE	CAC
SMS 101: Intro to Social Media Theory & Strategy	3			
MKT 210: Principles of Marketing	3			
WRI 250: Writing for Social Media	3			
COM 305: Theories of Emerging & Social Media	3			
ENG/COM 314: Social Media Analytics	3			
MKT 351: Media Concepts & Planning	3			
SMS/COM 224: Social Media Ethics –or- MKT 315: Marketing Ethics in Society	3			
COM 245: New Media & Communication –or- ENG/WRI 333: Digital Rhetoric & Writing	3			

II. PROGRAM ELECTIVES: (24 credits) Choose from lists on right	CR	GR	GE	CAC
GROUP A (THEORY)-(12 credits)				
Group A course:	3			
Group A course:	3			
Group A course:	3			
Group A course:	3			
GROUP B (STRATEGY)-(12 credits)				
Group B course:	3			
Group B course:	3			
Group B course:	3			
Group B course:	3			

III. SENIOR EXPERIENCE (6 credits)	CR	GR	GE	CAC
SMS 380: Capstone	3			
SMS 390: Social Media Internship	3			

IV. FREE ELECTIVES (24 credits) – Any course carrying university credit and not used elsewhere in the program.

Suggestions:

- Students are encouraged to work toward a minor.
- Students may complete additional internship credits.
- Students may select additional courses from Section II. Restricted Electives.

Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			
Course:	3			

GROUP A (THEORY) PROGRAM ELECTIVES	
CDH 150CD: Historical Survey of Graphic Design A	3
CDH 151CD: Historical Survey of Graphic Design B	3
COM 245: New Media & Communication*	3
COM 360: The Digital Self	3
ENG 316: Rhetoric, Democracy, Advocacy	3
ENG 358: Rhetoric of Style	3
MAT 123: Discrete Math	3
MKT 315: Marketing Ethics in Society**	3
PRO 210: Entrepreneurship	3
SMS/COM 224: Social Media Ethics**	3

GROUP B (STRATEGY) PROGRAM ELECTIVES	
CSC 020CPVL: Computer Graphics	3
CSC 120CPVL: Intro Creative Graphic Coding	3
CSC 122: Website Design	3
CSC 220CPVL: Object-Oriented Multimedia Programming	3
ENG 318: Activists Writing Media	3
ENG/WRI 333: Digital Rhetoric & Writing*	3
ENG/WRI 339 New Media, Story, Change	3
MKT 362: e-Commerce Marketing	3
WRI 216: Writing for Public Relations	3
WRI 220: Technical Writing & Communication	3
WRI 226: Desktop Publishing	3
WRI 321: Writing & Editing for Online Publications	3

*Note: Students are required to take *either* COM 245 or ENG/WRI 333 in Section I. Required Core. Students are free to take *both* courses and use one within the appropriate group of Section II. Restricted Electives.

**Note: Students are required to take either SMS/COM 224 or MKT 315 in Section I. Required Core. Students are free to take *both* courses and use one within the appropriate group of Section II. Restricted Electives.

The following courses are suggested to meet your General Education requirements:

Course	GE Category	Completed
Eco 10, 11 or 12	II. B	_____
MAT 105	II. C 2	_____
MAT except MAT 3	II C 3	_____

Four-Year Program Plan

Program: **B.S.-Social Media Theory and Strategy**

FIRST YEAR					
Fall Semester			***Spring Semester***		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
Gen Ed elective	Category C2	3	COM 010	Fundamentals of Oral Communication	3
COMP 100	Effective Composition	3	Gen Ed elective	Category C1	3
FYS 100	First Year Seminar	3	Gen Ed elective	Category D	3
SMS 101	Intro to Social Media Theory and Strategy	3	COM 212	Intro to Mass Communication	3
ECO 010	Introduction to Economics	3	COMP 200	Research and Composition	3
Total		***15***	***Total***		***15***

SECOND YEAR						
Fall Semester			***Spring Semester***			
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***	
Gen Ed elective	Category B	3	COM 245 -or- ENG 333	New Media and Communication -or- Digital Rhetoric and Writing	3	Either/or
Gen Ed elective	Category C3	3	SMS xxxA	Any Group A SMS class	3	
Gen Ed elective	Category D	3	SMS xxxB	Any Group B SMS class	3	
MKT 210	Principles of Marketing	3	SMS xxxA	Any Group A SMS class	3	
SMS/COM 224	Social Media Ethics	3	Gen Ed elective	Category D	3	
Total		***15***	***Total***		***15***	

THIRD YEAR					
Fall Semester			***Spring Semester***		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
WRI 250	Writing for Social Media	3	ENG/COM 314	Social Media Analytics	3
COM 305	Theories of Emerging and Social Media	3	SMS xxxB	Any Group B SMS course	3
SMS xxxA	Any Group A SMS course	3	Gen Ed elective	Category B	3
Gen Ed elective	Category A	3		Free Elective/Any course	3
	Free Elective/Any course	3		Free Elective/Any course	3
Total		***15***	***Total***		***15***

FOURTH YEAR					
Fall Semester			***Spring Semester***		
Course	***Title***	***Credits***	***Course***	***Title***	***Credits***
SMS xxxA	Any Group A SMS course	3	SMS 390	Capstone	3
SMS xxxB	Any Group B SMS course	3	SMS 380	Social Media Internship	3
MKT 351	Social Media Concepts & Planning	3	SMS xxxB	Any Group B SMS course	3
	Free Elective/Any course	3		Free Elective/Any course	3
	Free Elective/Any course	3		Free Elective/Any course	3
Total		***15***	***Total***		***15***

COLLEGE OF VISUAL & PERFORMING ARTS • DEPARTMENT OF ART & ART HISTORY • MINOR IN STUDIO ART

Program: UVPA FAR2 **Version Number: 2182** **Effective Date: 01/22/2018**

MINOR IN STUDIO ART: 18 SH

I. Required Course: 3 SH	GR	SH
		3

Select one the following courses:

FAR 014 Elements of Drawing for Non-Majors
FAR 061 Intro to Darkroom Photo for Non-Majors
FAR 062 Intro to Digital Photo for Non-Majors

II. Elective Courses: Minimum 6 SH up to 9 SH	GR	SH
		3
		3

Select at least two of the following courses (only one may be ARH):

FAR 016 Drawing II
FAR 111 Intro to Painting
FAR 131 Intro to Watercolor
FAR 141 Intro to Printmaking
FAR 151 Intro to Life Drawing
FAR 161 Intro to Photo/Darkroom *NOT if you've taken FAR 061
FAR 162 Intro to Photo/Digital *NOT if you've taken FAR 062
FAR 171 Intro to Sculpture
ART/FAR 182 Intro to Time-Based Media
ARH 024 or ARH 025 or ARH 026 or ARH 124 or ARH 125 or ARH 126

III. FAR OR FAS 200-300 level courses: Minimum 6 SH up to 9 SH	GR	SH
		3
		3

Advisor Notes:

Students in the B.F.A. programs for Studio Art, Applied Digital Arts, Crafts, and Communication Design, and B.S. candidates in Art Education are excluded from the Studio Art Minor program.

Clearance for Graduation

Total Semester Hours Completed:

Minor Advisor:

_____ Date:_____

Department Chairperson:

_____ Date:_____

Minor Program: **Art Education** (18 S.H.) Department of Art Education & Crafts Open to the follow majors: Fine Art, CD, Art History, Craft or permission of the department. Art Education majors are excluded from this minor program.	Program #: UVPAARU2 Version #: 2182 Program Effective: January 22, 2018 Check Sheet Reviewed: 3/2017

I. Courses in Minor: 18 S.H.		**GR**	**SH**
ARU 110:	Explorations in Art		4
ARU 210:	Learning in the Visual Arts: Childhood		4
ARU 310:	Learning in the Visual Arts: Adolescence		4
ARU 331:	Designing for Disabilities		3
ARU 330:	Studio Thinking		3

Advisement Notes:

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

_____
Minor Advisor

_____
Department Chairperson

Student Name: _____
Student ID #: _____
Major: _____

Minor Program:

Minor in Art History

(18 S.H.)

Department of Art and Art History

Program #:	UVPAARTHI2
Version #:	2178
Program Effective:	Fall 2017
Check Sheet Reviewed:	12/2016

I. Courses in Concentration: 9 S.H.	GR	SH
The courses listed below are required		
ARH024 or ARH124 – Art History A		3
ARH025 or ARH125 -Art History B		3
ARH026 or ARH126 – Art History C		3

II. Elective Courses: 6 S.H.*	GR	SH
Select 6 S.H. of 300 level ARH courses		
		3
		3

III. Professional Experience: 3 S.H.	GR	SH
Select 3 S.H. in an internship applicable to art history		
ARH 390: Intern ship in Art History		3

* All course prerequisites must be met. Students majoring in one of the visual arts areas are required to take 124, 125 and 126; non-visual arts students may fulfill these requirements with 024,025 and 026.

A total of 6 courses totaling 18 credits is required for the minor in Art History. All students must complete Art History A, B, and C, two upper division art history courses, and one internship applicable to professional preparation in art history.

Advisement Notes:

Student Name: _____

Identification No. _____

Major: _____

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

11/2016

Minor Program: Audio Engineering	Program #	UVPAMUSAE2
	Effective:	January 20, 2019
Department of Music 18 S.H.	Rev:	

Student Name: _____ **Student ID: _____**

REQUIRED COURSES: 12 S.H.			
Take each of the following courses:	**GR.**	**S.H.**	**CAC**
MUS 129 Recording Technology Survey		3	
MUS 292 Audio Engineering I		3	
MUS 315 Audio Engineering II		3	
MUS 121 Fundamentals of Music Business		3	
ELECTIVE COURSES: 6 S.H.			
Select two or three of the following courses:	**GR.**	**S.H.**	**CAC**
MUS 020 Basic Concepts & Skills of Music		3	
MUS 199 Songwriting		3	
MUS 205 Physical Properties of Sound		3	
MUS 294 Sound Design		3	
MUS 303 Electronic Music Composition		3	
CTM 025 Video Production for Non-majors **or** CTM 055 Fundamentals of Video Production (Only open to CTM majors)		3	
PRO 100: Introduction to Business for the Non-business Major **or** PRO 210: Entrepreneurship - Start Your Own Business for Non Bus. Majors		3	

Minors MUST reflect a minimum of 6 credits of advanced standing coursework in the minor. Advanced standing coursework are courses 141 or higher.

Kutztown University
Minor Program

Cinema, Television and Media Production

(21 S.H. minimum)

Program: UVPACTM
Version: 2188
Program Effective: 8/27/2019

1. Required Courses (12 s.h.)	RC	CR	GR
CTM 50 Audio Production	3		
CTM 55 Fund. of Studio Production	3		
CTM 70WI Scriptwriting for CTM	3		
CTM 130CTVL Media Theory & Aesthetics	3		
2. Elective Courses - Students must select 3 courses from the following: (9 s.h.)			
*CTM 10 Introduction to Cinema, Television, and Media **(see Notes)**	3		
*CTM 160 Cinematography (**see Notes)**	3		
CTM 205 Narrative Video Production	3		
CTM 206 Masterpieces in Film History	3		
CTM 218 Studio Production Practicum	3		
CTM 220 Media Law & Ethics in the Digital Landscape	3		
CTM 262 American Independent Cinema	3		
CTM/CDE 271 Graphics for Television	3		
CTM 325 Comedy Writing and Production for Sitcoms and Screen Media	3		
CTM 326 Laughing Matters: The Evolution of Comedy Through Cinema, TV, and Beyond	3		
CTM 350 Documentary	3		
CTM 365 Video Post-Production	3		
CTM 369 Field/Post-Production Practicum	3		
CTM 370 Selected Topics in Cinema, Television, and Media Production	3		
CTM 379 Independent Study in Cinema, Television, and Media Production	3		

Student:

_____

Student I.D. Number:

_____

Advisement Notes

_____
_____
_____
_____
_____
_____
_____
_____
_____

Clearance for Graduation:

Total S.H. completed:_____ _____
Total S.H. 200+ _____ _____

Signatures and Dates:

Minor Advisor:

_____
Name date
Dept. Chair:

_____
Name date

Notes:

1. Academic Minors MUST reflect a minimum of 6 credits of advanced standing coursework in the minor. Advanced standing coursework are courses 200 or higher.
2. In order to be cleared for graduation all students must earn a "C" or higher in all "required" and "elective" CTM courses.
3. Courses may not include CTM 375, CTM 380, or CTM 390.

Minor Program:

COMMUNICATION STUDIES (18 S.H.)

Department of Communication Studies

UVPASPEC02
Version # 20123
Program Eff.: Fall 2011
Check Sheet Rev.: 4/10

Student Name:_____
Student ID #:_____

I. REQUIRED COURSES: ..... 3 cr.

COM 140 Introduction to Communication Studies.....3 cr.

II. ANY LEVEL COM COURSE: ..... 6 cr.

Select any COM course except COM 010

COM any level.....3 cr.
COM any level.....3 cr.

III. UPPER LEVEL COM COURSES:9 cr.

Select COM course at 200 level and above

COM 200 or above.....3 cr.
COM 200 or above.....3 cr.
COM 200 or above.....3 cr.

NOTES:

ADVISEMENT NOTES:

Clearance for Graduation:

Total Semester Hours Complete:_____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved:_____
Dean, College of Visual & Performing Arts

Minor Program: **Crafts** (18 S.H.)

Department of Art Education & Crafts

Program #: UVPACRAFT2
Program Effective: August 25, 2014
Check Sheet Reviewed: 2/2014

I. Courses in Concentration: 9 S.H.	**GR**	**SH**
Select 9 S.H. from <u>one</u> of the following Craft areas: Ceramics, Textiles, Fine Metals, or Wood.		
CFT		3
CFT		3
CFT		3

II. Elective Courses: 9 S.H.	**GR**	**SH**
Select 9 S.H. from any other courses with a CFT prefix. (excluding CFT 381-Senior Craft Seminar)		
CFT		3
CFT		3
CFT		3

Advisement Notes:

Student Name: _____

Student ID #: _____

Major: _____

Clearance for Graduation:
Total Semester Hours Completed: _____
Signatures:
Minor Advisor:

_____
Department Chairperson:

_____

Minor Program: Jazz		Program #	UVPAMUSJ2
		Effective:	Jan. 20, 2015
Department of Music	18 S.H.	Check Sheet Reviewed:	

Student Name: _____ Student ID: _____

REQUIRED COURSES: 18 S.H.			
1. Classroom Instruction: 10 S.H.	**GR**	**SH**	**CAC**
Take each of the following courses:			
MUS 226 Jazz Improvisation		2	
MUS 309 Advanced Jazz Improvisation		2	
MUS 225 Jazz: Its History and Influence		3	
MUS 305 The Professional Jazz Musician		1	
MUS 308 Jazz and Commercial Arranging		2	

2. Ensemble Instruction: 6 S.H.	**GR**	**SH**
An audition with the Ensemble Director is required.		
MUP 289 (Large Jazz Ensemble)		1
MUP 289 (Large Jazz Ensemble)		1
MUP 289 (Large Jazz Ensemble)		1
MUP 289 (Large Jazz Ensemble)		1
MUP 275 (Jazz Combo)		1
MUP 275 (Jazz Combo)		1

3. Private Instruction: 2 S.H.	**GR**	**SH**
Credits from jazz private lessons offered by Music Department.		
MUP #		1
MUP #		1

Minors MUST reflect a minimum of 6 credits of advanced standing coursework in the minor.
Advanced standing coursework are courses 141 or higher.

Minor Program: Music

Department of Music 18 S.H.

Program #	00046
Version #	20083
Effective:	August 25, 2014
Rev:	8/19/14

Student Name: _____ **Student ID:** _____

REQUIRED COURSES: 12 S.H.			
1. Classroom Instruction: 8 S.H.	**GR.**	**S.H.**	**CAC**
Take each of the following courses:			
MUS 010 Intro. To Music Literature		3	CT
MUS 101 Aural Skills I		2	
MUS 102 Harmony & Theory I (Prerequisite of MUS 020 or equivalent)		3	

Note: MUS 020 (Basic Concepts and Skills of Music) or its equivalent, is a prerequisite for MUS 102. MUS 020 may be used as a Music Elective.

Academic Minors MUST reflect a minimum of 6 credits of advanced standing coursework in the major. Advanced standing coursework are courses 141 or higher.

2. Ensemble Instruction: 2 S.H.	**GR.**	**S.H.**
Take credits from any Dept. of Music ensembles. (An audition with the Ensemble Director is required)		
MUP		1
MUP		1

3. Private Instruction: 2 S.H.	**GR.**	**S.H.**
Take credits from among any private lessons offered by the Dept. of Music, or Voice Class.		
MUP #		1
MUP #		1

ELECTIVE COURSES: 6 S.H.		
With the guidance of a Music advisor, select credits from any MUS or MUP course. (Do not select MUS 223, 229, 311, 312, 380, or 391)		
Electives	**GR.**	**S.H.**

NOTES

Notes

 # These courses require a "C" or better. The student must achieve a "C" or better to continue as a Music Minor.

Minor Program: Music History

Department of Music **18 S.H.**

Program #	UVPAMUSH2
Effective:	January 20, 2015
Revised:	

Student Name: _____ **Student ID: _____**

REQUIRED COURSES: 9 S.H.			
Take each of the following courses:	**GR.**	**S.H.**	**CAC**
MUS 010 Introduction to Music (Music majors may substitute MUS 312)		3	CT
MUS 106 History of Rock and Roll		3	CD
MUS 108 Introduction to World Music		3	CD
ELECTIVE COURSES: 9 S.H.			
Select three of the following courses:	**GR.**	**S.H.**	**CAC**
MUS 113 Introduction to Film Music		3	VL
MUS 209 Women in Music		3	CDWI
MUS 215 American Music		3	
MUS 217 The Music of Poetry		3	
MUS 220 Modern Music Since 1900		3	
MUS 225 Jazz: Its History and Influence		3	
MUS 228 History of American Musical Theater		3	
MUS 318 Symphonic Repertoire		3	
OPTIONAL ELECTIVE COURSES: 3 S.H.			
As a substitute for one of the elective courses above, student may substitute 3 hours of private or ensemble instruction	**GR.**	**S.H.**	**CAC**
Ensemble Instruction			
MUP #		1	
MUS #		1	
MUS #		1	
Private Instruction			
MUP #		1	
MUP #		1	
MUP #		1	

Minors MUST reflect a minimum of 6 credits of advanced standing coursework in the minor.

Advanced standing coursework are courses 141 or higher.

Minor Program: Performance and Storytelling

Department of Communication Studies, 18 S.H.

Program #	UVPACOMPS2
Version #	2178
Effective:	Fall 2017
Check Sheet Reviewed:	9/13/16

Student Name: _____ **Student ID #** _____

Student must complete any prerequisites before enrolling in a course.

REQUIRED COURSES: 9 S.H.		
Course Title	**GR.**	**S.H.**
THE 15 Introduction to Theatre		3
COM 201 Storytelling 1 **Or** THE 31-CM Introduction to Acting		3
COM 216-CDCM Performance of Literature **Or** COM/WGS 237 Women Writers in Performance		3

ELECTIVE COURSES: 9 S.H.		
Student must select three courses from the Elective Courses List that are not used in Required Courses:		
Course Title	**GR.**	**S.H.**
		3
		3
		3

ELECTIVE COURSES LIST

THE 31-CM Introduction to Acting…3cr.

COM 151 Voice & Diction…3 cr.

COM 201 Storytelling I…3 cr.

THE 210 Production & Performance for Young Audiences…3 cr.

COM 216-CDCM Performance of Literature…3 cr.

COM/MUS 217 Music and the Spoken Word…3 cr.

COM 225 Adv. Solo Performance Of Texts I…3 cr.

COM/WGS 237 Women Writers In Performance…3 cr.

COM 250 Latino/a Performance…3 cr.

COM 301 Performance and Culture…3 cr.

COM 320 Group Performance…3 cr.

COM 370 Independent Study in Communication (3 cr. only; must be performance or storytelling-centered)

STUDENT: STUDENT ID NUMBER:

COLLEGE OF VISUAL & PERFORMING ARTS • MINOR • SOCIAL MEDIA THEORY AND STRATEGY**

Program Code: UVPASMS2 **Version Number: Spring 2019** **Effective Date: January 22, 2019**

I. REQUIRED COURSES 12 credits

		Grade	Credits.
SMS 101	Intro to Social Media Theory & Strategy		3
COM/ENG 314	Social Media Analytics		3
WRI	Writing for Social Media		3
MKT 210	Principles of Marketing		3

II. ELECTIVES 6 credits

Students must select *any* two courses below:*

Course #	Course Name	Grade	Credits
COM 245	New Media and Communication		3
*COM/SMS 224 –or- MKT 315	Social Media Ethics –or- Marketing Ethics in Society		3
COM 360	The Digital Self		3
CSC 458	Data Mining and Predictive Analytics		3
CSC 459	Introduction to Big Data		3
ENG/WRI 333	Digital Rhetoric and Writing		3
ENG/WRI 339	New Media, Story, Change		3
ENG 318	Activists Writing Media		3
MKT 350	Advertising Management		3
MKT 351	Social Media Concepts & Planning		3
MKT 362	e-Commerce Marketing		3
SMS xxx	Any SMS prefix class with the exception of SMS 101, 380, and SMS 390		3

* Students cannot take both COM/SMS 224 and MKT 315 to satisfy the minor's 6 credits of electives.

**SMS Majors cannot enroll in this minor.

INTERDISCIPLINARY PROGRAMS

Minors

Digital Communication and New Media

Entrepreneurship

Multicultural Studies

Women's and Gender and Sexuality Studies

STUDENT:

KUTZTOWN UNIVERSITY

STUDENT ID NUMBER:

COLLEGE OF VISUAL & PERFORMING ARTS • MINOR • DIGITAL COMMUNICATION & NEW MEDIA

Program Code: UACADCNM2 **Version Number: 2158** **Effective Date: August 25, 2015**

I. REQUIRED COURSES 9 credits

		grade	cr.
COM 245	New Media & Communication		3
ENG/WRI333	Digital Rhetoric		3
TVR 130CTVL	Media Theory & Aesthetics		3

II. ELECTIVES 9 credits

Students must select *any* three courses on the back of this page:

II. ELECTIVES 9 credits

Students must select *any* three courses below:

Course #	Course Name		Credits		Course #	Course Name		Credits
COM105	Business & Professional Presentations		3		LIB018	Materials & Search Strategies		3
COM 212 WICT	Intro to Mass Communication		3		LIB326	Digital Citizenship		3
COM 219CT	Integrated Marketing		3					
COM 274	Organizational Com		3		SOC 214VL	Sociology of Visual Culture		3
COM 280	Training & Development		3					
COM 295	Popular Culture		3		TVR 050	Audio Production		3
COM 307 VLCT	Rhetoric of Visual Media		3		TVR 055	Fundamentals of Video Production		3
COM 350 CT	Leadership		3		TVR 070WI	Scriptwriting for Elect. Media		3
					TVR 205	Narrative Video Production		3
CSC020CPVL	Computer Graphics		3		TVR220	Communication Law		3
CSC120	Intro Creative Graphic Coding		3		TVR226	Ethical Issues in Electronic Media		3
CSC122	Website Design		3		TVR255	Video Field Production		3
					TVR331	Copywriting & Intellectual Property		3
ENG 219 CT	Culture & Media		3					
ENG 244	Documentary Film & Theories of Representation		3		WRI 211	Journalism		3
ENG 318	Activists Writing Media		3		WRI 212 WICT	Intro to Mass Communication		3
ENG 382	Film Production Theory		3		WRI 220 WI	Technical Writing and Communication		3
					WRI 226 WICP	Desktop Publishing		3
ITC347	Emerging Technology		3		WRI 244	Story Analysis & Screenplay Develop		3
ITC348	Electronic Portfolios		3		WRI 303 WI	Investigative Journalism		3
					WRI 321WI	Information Design		3
					WRI 342	Screenwriting-Web Series		3

STUDENT: _____ STUDENT ID NUMBER: _____

KUTZTOWN UNIVERSITY

ENTREPRENEURSHIP MINOR PROGRAM:

Program Code: UACA ENT2 **Version: 2158** **Effective Date: August 24, 2015**

MINOR PROGRAM (18 Credits)

I. Required Courses (9 Credits)		RC	CR	GR
1. Select one of the following: PRO210 (3 Credits) SPA363 (3 Credits) MGM327 (3 Credits)	Entrepreneurship for the Non-Business Major Spanish and Entrepreneurship Small Business Management	3		
2. Select one of the following: COM350 (3 Credits) or PRO232WI (3 Credits)	Leadership: A Communication Perspective Practical Leadership	3		
3. Internship (3 Credits)	Internship in Field of Study ** With approval of Director of the Entrepreneurial Leadership Center	3		
II. Minor Electives* (9 Credits)	Select 9 credits from the attached course list			
1. Elective (3 Credits)		3		
2. Elective (3 Credits)		3		
3. Elective (3 Credits)		3		
	*At least 6 credits of minor electives must be at the 200 level or higher.			
Total Credits		18		
III. Additional Requirements:				
1. Student must complete:	Certificate in Career Exploration & Career Success	☐ yes	☐ no	
2. Student must complete:	Written Description of How Electives Support Career Plan	☐ yes	☐ no	

All courses must be completed with a grade of "C" or higher

Director of the ELC: _____

College Dean: Anne Carrole 7 Sept 2015

Reviewed: September, 2014

(Effective IDC15-1 August 24, 2015) Version

Minor Electives (9 credits):

CDE 335 Interdisciplinary Team Project (Prerequisite: CDE 277)
COM105 Business and Professional Speaking
COM125 Interviewing
COM130 Interpersonal Communication
COM145CDCM Nonverbal Communication
COM219 Integrated Marketing (Prerequisites: COM 170, or Business Majors, or Advertising Minors, or permission of the instructor)
COM245 New Media
COM274 Organizational Communication
COM280 Communication Training and Development
FAR308 Creating Gallery Exhibits
FAR398 The Business of Art
FRE327 Professional Translation Skills in French
GEG220 Introduction to Transportation Geography
GEL302 Economic Geology (Prerequisite: GEL 100 – 101)
GER213 Business German
MAT121 Mathematics for Business and Information Science
MAT150 Introduction to Biostatistics
MAT305 Mathematics of Finance (Prerequisite: A grade of C or better in MAT 283)
MAT306 Mathematics of Finance II (Prerequisite: MAT 283 with a grade of C or better and MAT 305)
MKT312WI Consumer Behavior
MLS363 Entrepreneurial Language Professional
MUS121 Fundamentals of Music Business
MUS302 The Modern Private Music Teacher]
MUS304 The Professional Classical Musician
MUS305 The Professional Jazz Musician
MUS450 Performing Arts Administration
PHI80CDCT Business Ethics
PRO100 Introduction to Business for the Non-business Major
PRO110 Marketing for the Non-business Professional
PRO232WI Practical Leadership
PRO185CT Fundamentals of Personal Finance
PRO210 Entrepreneurship – Start Your Own Business for Non Business Majors
PRO220 Wealth Creation for the New Entrepreneur
PSY333 The Psychology of Leadership in Organizations (Prerequisite: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better)
PSY220 Industrial/Organizational Psychology (Prerequisites: PSY011)
SOC227 Work and Workplaces
SPA290 Commercial Spanish (Prerequisite: SPA104)
SPA363CTWI Spanish and Entrepreneurship (Prerequisite: SPA 104)
SPT366 Personal Fitness Trainer
WRI207WICT Writing for the Workplace (Prerequisites: BA English, BS Electronic Media, BS Math, BS CSC or BA Speech majors and ENG23; other majors contact your home department for more information)
WRI216WICM Writing for Public Relations (Prerequisites: English 023 or its equivalent and WRI 211; or permission of instructor)
WRI316WI Public Relations and the Corporate Environment (Prerequisites: ENG 023 or its equivalent, WRI 207 and WRI 216; or permission of the instructor)
Other courses may also be selected by consultation and approval of the student's advisor and The ELC Faculty Coordinator.

Minor Program: Multicultural Studies (18 S.H. minimum)		
	Program #	00045
	Version #	20046
	Effective:	Spring 2004
	Check Sheet Reviewed:	8/08

1. Required Courses: 6 S.H.	GR	S.H.
MCS 010 Intro. to Multicultural Studies		3
MCS 370 Selected Research Topics **or** MCS 380 Seminar in Multicultural Studies **or** MCS 390 Internship in Multicultural Studies		3

2. Elective Courses: 12 S.H.	GR	S.H.
Select four courses from the list below:		
		3
		3
		3
		3

Approved Elective Courses:

ANT 101	North American Indians
EDU 496	Multicultural Education
ENG 234	Ethnic American Literature
ENG 236	Black American Literature: Poetry/Drama
ENG 237	Black American Literature: The Novel
HIS 150	Minorities in American History
HIS 240	African American History
HIS 244	The Immigrant in American History
lNT 101	Intercultural Communication
SPE 213	Communication in a Multicultural World
NUR 116	Achieving Wellness: A Multicultural Perspective in the U.S.
PSY 215	Psychology of Prejudice

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Minor Program:

Women's and Gender Studies

Interdisciplinary Program (**18-21 S.H. minimum**)

Program #	UACAWOMST2
Version #	2162
Effective Date	01/19/2016

1. Required Courses: 6 S.H.	**GR**	**SH**
WGS 010 Intro. To Women's Studies		3
WGS 310 Seminar in Women's Studies		3
2. Elective Courses: 12-15 S.H.	**GR**	**SH**
Select four courses from the list on this checksheet:		
		3
		3
		3
		3
		3

Advisement Notes
• At least 6 S.H. must be at the 200 level or above • Elective courses must be selected from at least ***three*** different disciplines • WGS One-Time Only courses may be counted as elective courses with the approval of the WGS Program Director

Clearance for Graduation:

Total Semester Hours Completed: _____

Signatures:

Minor Advisor:

_____

Department Chairperson:

_____

Approved Elective Courses	**SH**
ANT215 Genders Across Cultures	3
ANT/SOC 232 Marriage in Cr-Cult. Persp.	3
COM341 Voices of American Women	3
CRJ231 Gender, Crime and Criminal Justice	3
ENG132 Contemporary Gay and Lesbian Lit.	3
ENG221 Jane Austen	3
ENG272 Women & Violence in Con.World	3
ENG277 American Women in Literature	3
FRE361 Women in French Literature	3
HIS204 Women in African History	3
HIS241 History of Women in America	3
MGM318 Women in Management	3
PHI245 Human Love and Sexual Morality	3
PSY205 Psychology of the Black Experience	3
PSY208 Psychology of Gender	3
PSY215 Psychology of Prejudice	3
SOC120 Marriage and Family	3
SOC235 Sociology of Gender	3
SPA368 Caribbean: Race, Gender & Cult. Po	3
SPT111 American Women in Sport	3
WGS250 Women & Leadership	3
WGS370 Selected Topics in WGS	3
WGS380 Independent Study in WGS	3
WGS390 Internship in WGS	3
WGS/ARH318 Picturing Gender	3
WGS/COM130 Interpersonal Communicatio	3
WGS/COM145 Non-verbal Communication	3
WGS/COM237 Women Writers in Perform.	3
WGS/COM261 Intro. To Health Comm.	3
WGS/COM271 Sexualities and Comm.	3
WGS/COM285 Gender Communication	3
WGS/COM287 Family Communication	3
WGS/COM350 Leadership	3
WGS/EDU228 Women in Education	3
WGS/ENG138 Literature Banned in Iran	3
WGS/ENG246 Feminist Film Theory	3
WGS/ENG274 Women, Writing and Rhetori	3
WGS/ENG275 Archetypal Wom in Myth &	3
WGS/ENG276 19th Cent. Women's Lit.	3
WGS/ENG278 Women Writers Around Wor	3
WGS/ENG279 U.S. & Canadian Wom Write	3
WGS/ENG410 Feminist Literary Theory	3

MORE COURSES LISTED ON BACK

Approved Elective Courses, Continued	SH
WGS/FRE226 Women & New Québécois Novel	3
WGS/HUM211 Women in the Arts	3
WGS/MAT045 Women in Mathematics	3
WGS/MUS209 Women in Music	3
WGS/POL216 Law & Sex-Based Discrimination	3
WGS/SOC217 LGBTQ Studies	3

Course Descriptions

Accounting

ACC 121: Financial Accounting
Accounting has been called "the language of business." Accordingly, this course emphasizes the provision of relevant and reliable information used by investors, creditors and managers in making financial and business decisions. Areas of emphasis include the basic concepts and principles of financial accounting, the accounting cycle, financial statement preparation, information systems and processing, and internal control. Recognition, measurement, and classification of assets, liabilities, revenues and expenses are examined and the alternative forms of business organization are covered. BSBA majors only.
Prerequisites: Open to BSBA majors (including Core) or permission of the department chairperson

ACC 122: Managerial Accounting
The course is a study of the development and use of accounting information and its importance to management functions. Areas of emphasis include planning and control of operations, evaluation of performance at different levels within the organization, financial analysis, cost systems, budgeting, and decision-making. A computer project is required using spreadsheet software. BSBA majors only.
Prerequisites: ACC 121

ACC 305: Cost Accounting
This course introduces students to methods and tools used in business organizations in the areas of financial planning, controlling and decision making. While different approaches to measuring cost of products and services is a central focus of the course, the course integrates planning and controlling by exposing students to information and financial analysis needed to support decision making. The course also provides thorough treatment of cost analysis for both manufacturing and wide range of service industries. Topics covered include job order and process costing, activity-based costing, pricing models including target costing, product/service and customer profitability analysis, budgeting, variance analysis, theory of constraints, analysis for decision making scenarios, and performance management tools such as the balanced scorecard. In addition, the course introduces students to inventory management, quality management and supply chain issues as they relate to cost and profitability analysis.
Prerequisites: A grade of "C" or better in both in ACC 121 & 122

ACC 306: Advanced Cost Accounting
The course builds on and expands topics introduced in ACC 305, Cost Accounting. The managerial emphasis is continued and the subject area expanded to cover further issues in cost allocation and product costing and to introduce new topics, such as linear programming, just-in-time inventories, capital budgeting, economic order quantity, transfer pricing, and performance measurement.
Prerequisites: ACC 305

ACC 312: Accounting Information Systems
This course is designed to introduce accounting majors to a variety of transaction processing systems, such as accounts payable, inventory, and accounts receivable. Emphasis will be placed on the inputs, processing, outputs, databases, and internal controls associated with each system studied as well as the interrelationships among the systems. How to establish and follow audit trails through the system will also be covered. The first two steps in the structured systems development cycle, namely Systems Survey and Systems Analysis, will be emphasized. Developing systems via prototyping and the application of artificial intelligence in accounting systems are topics included in the course. This course is designed for accounting majors, other business majors may be admitted with permission of the dean.
Prerequisites: A grade of "C" or better in both in ACC 121 & 122

ACC 313: Concepts of Taxation and Tax Planning
The course will cover concepts and principles of both business and individual taxation and tax planning as they apply primarily to the business enterprise. Emphasis is on a managerial approach to taxation, whereby tax principles and rules are applied, where appropriate, as a facet of financial planning of the business enterprise.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and ACC 321

ACC 317: Tax Accounting I
This course is an in-depth study of the Federal income taxation of individuals and provisions having common application to individuals and businesses. Topics covered include tax administration and procedure, sources of tax authority, tax research, gross income and exclusions, deductions and losses, tax credits, property transactions, capital gains and losses, accounting periods and methods and the alternative minimum tax. In addition to conceptual matter, the practical compliance aspects of individual tax preparation are covered.
Prerequisites: A grade of "C" or better in both in ACC 121 & 122

ACC 318: Tax Accounting II
This course is a continuation of ACC 317 and is an in-depth study of the Federal income taxation of regular corporations and flow-through entities (partnerships, S Corporations, limited liability corporations). Coverage also includes estate and gift taxes, multistate corporate taxation and taxation of international transactions. In addition to conceptual matters, the practical compliance aspects of tax return preparation, as well as effective tax planning techniques will be covered.
Prerequisites: ACC 317

ACC 321: Intermediate Accounting I
A study of current financial accounting theory and practice, this course builds on the fundamental concepts covered in the introductory financial and managerial accounting courses and develops a more professional level of accounting analysis. Coverage includes the development of accounting standards—including International Financial Reporting Standards, the conceptual framework of financial accounting, the accounting process, financial statements, time value of money, cash, receivables, inventories, property plant and equipment, intangible assets, current liabilities and contingencies. Students develop analytical skills and the ability to research accounting issues. The course also encourages the development of computer, oral, and technical writing skills.
Prerequisites: A grade of "C" or better in both in ACC 121 & 122

ACC 322: Intermediate Accounting II
A study of current financial accounting theory and practice, this course covers Intermediate Accounting topics beyond the scope of Intermediate Accounting I. Coverage includes accounting and financial statement presentation for: Long-term Liabilities; Stockholder's Equity; Dilutive Securities and Earnings per Share; Investments in Securities; Revenue Recognition; Income Taxes, Pensions and Postretirement Benefits; and Leases; Accounting Changes and Error Analysis; and the Statement of Cash Flows; and Full Disclosure in Financial Reporting. The course emphasizes conceptual understanding as well as the development of the technical skills of accounting and the development of computer and oral and written communication skills.
Prerequisites: ACC 321 with a grade of "C" or better

ACC 323: Advanced Accounting
This course covers theory and application of advanced accounting topics including business combinations (mergers, acquisitions, and consolidations), consolidated financial statements, interim and segment reporting, partnerships, derivative instruments, and foreign operations.
Prerequisites: ACC 322

ACC 325: Not-For-Profit and Governmental Accounting
Accounting and financial and budgetary reporting for governments and nonprofit organizations (NP&G) are based on distinctive concepts, standards, and procedures designed to accommodate their environments and the needs of their financial report users. This course focuses on the aforementioned concepts, standards, and procedures applicable to (1) state and local governments including counties, cities, and school districts, as well as townships, other special districts, and public authorities; (2) nonprofit universities, hospitals, voluntary health and welfare organizations. Financial management evaluation procedures and accountability considerations peculiar to NP&G organizations are emphasized throughout the course.
Prerequisites: A grade of "C" or better in both in ACC 121 & 122

ACC 330: Auditing Practice and Standards
This course is an introduction to audit theory, practice and ethics. It integrates the accounting, ethical, legal and auditing responsibilities of the Certified Public Accountant. Topics covered include the various forms of audit reports, professional ethics, legal liability of the accountant, the audit process, risk analysis, internal controls, the nature of evidential matter, audit procedures, and an introduction to audit related statistical applications. Also, the content, meaning and impact of the Sarbanes/Oxley Act and the role of the Public Company Accounting Oversight Board (PCAOB) are covered. A computerized audit case study, which provides students the experience of performing a simulated audit engagement has been integrated as a key component of the course.
Prerequisites: ACC 322

ACC 380: Senior Seminar in Accounting
This course focuses integrating students' knowledge in accounting with business principles and current issues, with particular emphasis on the role of accounting in contemporary society. ACC 380 integrates topical matter from various fields of accounting with strong emphasis on professional responsibilities. The course also addresses topics that are not covered in depth elsewhere in the accounting curriculum.
Prerequisites: ACC 322 and Senior Level

ACC 395: Honors Thesis in Accounting
Completion of the honors thesis is a requirement for the KU Honors Program. This course enables the honors student to conduct a research project under the direction of a faculty member from the Accounting Discipline. The student and faculty member will prepare a research proposal. A student can apply for 3-6 credits (s.h.). The proposal and number of credits must be approved by the discipline.
Prerequisites: Student must be a member of the KU Honors Program and have completed ACC 321, plus nine credits of upper-level accounting courses and an overall GPA of 3.25 or higher.

Anthropology

ANT 10CD: Cultural Anthropology
An introduction to the cross-cultural study of human behavior with emphasis on non-Western cultures. Selected ethnographic material as well as general theories of technology, social, political, religious, family, and economic organization will be examined.

ANT 20: Physical Anthropology
An introduction to the fossil record and biological variation of human and non-human primates and the mechanisms involved. Biological and socio-cultural factors are interrelated in explaining the evolution and variation of man.

ANT 30CD: Introduction to Archaeology
This course provides an introduction to archaeological methods and techniques, including site surveying, excavation and recording, classification and description, dating, and data interpretation. These techniques will be illustrated through the consideration of archeological sites from around the world. We will also consider current issues in archaeology.

ANT 40CD: Language and Culture
This course provides a general introduction to linguistic anthropology, one of the four subfields of anthropology. This course will orient students to language as cultural resource and practice. The course will introduce students to the structural, contextual, and pragmatic features of language through an exploration of non-Indo-European and Indo-European linguistic anthropological analyses.

ANT 100: Freshman Seminar in Anthropology
This course will introduce Freshmen students to the study of anthropology and to the academic expectations for a college student. The instructor will describe his/her passion for the topic and use that as the basis for communicating important anthropological concepts. Students will conduct their own research projects that will include developing the skills necessary for researching and writing an academic paper. Students will become active learners through inquiry, analysis, discovery, reflection, presentation and action. The experiences of Freshmen students will be incorporated into the class and discussed in terms of anthropological concepts.
Prerequisites: FR only, Less than 18 credits

ANT 101: North American Indian
The comparative ethnology of non-literate tribes of North and Central America as they existed at Spanish contact times.

ANT 105CDCT: Classical Archaeology
This course deals with the archaeology of the three great civilizations of the ancient Mediterranean: Egypt, Greece and Rome. As an archaeology course, it seeks to reconstruct daily life more through artefactual remains than through historical documents. Archaeological theories of the origins of farming and of state formation are discussed and applied to these three cultures. In addition, the course covers specific examples of archaeological theory and technique such as those used in regional archaeology, underwater archaeology and bioarchaeology.

ANT 106: History and Culture of Turkey
Spanning two continents, Turkeys stands as a crossroads of some of the most important historical and cultural trends in the world. This course will explore the cultural history and current developments in turkey, through readings, lectures and study abroad experience in Turkey itself. Students will gain knowledge of the multiple historical influences on the development of Turkey by visiting major architectural, historical and archeological sites in various parts of the country. Students will also have an opportunity to experience and observe modern Turkish culture through lectures, participation in events, and visits to important Turkish institutions. This course will serve as a basis for a study abroad program in Turkey.
Prerequisites: Permission of Instructor

ANT 117: European Cultures
This course presents a survey of the cultural diversity of Europe, examining majority populations, ethnic/linguistic minorities and post-colonial immigrants. Particular focus will be on contemporary social and cultural changes brought about by both European integration and increased immigration of peoples from the former colonies.

ANT 118: Anthropology of London
Since its founding in the First Century by the Romans at the northern frontier of their empire, London has been a vibrant and diverse population center. Utilizing an anthropological lens, this course explores London from its prehistoric origins through its current existence as a multicultural and global city. Combining readings, lectures and a study abroad experience in London, students will gain knowledge of the cultural history and contemporary ethnography of London. Field trips will include visits to important prehistoric and historical sites, as well as explore London's contemporary diverse neighborhoods. This course will serve as a basis for a study abroad course in London.
Prerequisites: Permission of Instructor

ANT 131: New World Archaeology
This course will deal with the peopling of the New World, rise of the high cultures, and the development of the Eastern Peoples to white contact times.

ANT 135CD: Pennsylvania German Cultural Traditions
This course is a survey of Pennsylvania German cultural traditions. The course examines the cultural traditions and practices of Anabaptist and Church Pennsylvania Germans, both in the past and in the present. These traditions and practices are studied in the context of various theories about culture, cultural pluralism, traditionalism, assimilation, and modernization. Students conduct their own research projects in neighboring communities and collect information about Pennsylvania German culture and society.

ANT 136: Pennsylvania Archaeology
This course provides a comprehensive overview of the Pennsylvania archaeology, from the very first peopling of the Commonwealth through the industrial age. Topics covered will include the first peopling of Pennsylvania, the rise of complex hunting-gathering societies, the adaptation of peoples to maize agriculture, and the archaeology of European contact.

ANT 138: Caribbean Cultures
Although it is a relatively small region, the Caribbean is a richly diverse place; this diversity is the result of the settlement and colonization of the region by people from all over the world. To understand the diversity of the contemporary Caribbean, we will spend the first half of the course examining the history of the Caribbean from its first prehistoric inhabitants to the mid 20th century, concentrating on the dynamics of colonialism as they affected the development of culture in the Caribbean. In the second half of the course, we will examine the diversity of peoples and cultures that inhabit the region today, particularly focusing on the relationship that music has played in the development of Jamaican popular culture.

ANT 165CD: The Muslim Middle East
Islam is one of the largest and most influential religions in the world and has found a home in a wide variety of social and cultural settings. To understand the roots and diversity of Muslim cultures in the contemporary world, we will spend the first half of the course exploring the origins of Islam in the Arabian Peninsula, its expansion into Eurasia and Africa, and its articulation in different historical contexts, concentrating on the accretion of local traditions into Muslim practices and beliefs. In the second half of the course, we will examine a number of social issues that are currently the focus of much debate within the contemporary Muslim world, issues such as women and Islam, family institutions, the implementation of Muslim law, the "honor and shame" ethic, and the use of violence for religious ends.

ANT 180CDWI: The Pacific and Australia
A survey of the cultures of Polynesia, Micronesia, and Melanesia, including Australia in historical and contemporary perspectives. Discussion of the peopling of Oceania with resultant cultural and physical diversity. Particular emphasis on the kinship structure of selected cultures.

ANT 190CDWI: Human Cultural Diversity and Adaptations in PA
This course will examine Human adaptations in Pennsylvania and the Northeastern region of the United States from the earliest Native American settlements to the post-industrial present. The course will examine the Paleo-Indian, archaic and Woodlands adaptations of Native Americans and then consider European adaptations to the same environment from the early agricultural colonizers through the modern post-industrial society. Some of the present-day subcultures in Pennsylvania will also be considered.

ANT 201QL: Archaeological Theory and Technique
This course provides training in archaeological theory, methodology, and lab techniques through reading, lecture, and practical analysis of archaeological materials.
Prerequisites: Anthropology majors and minors

ANT 202CTQL: Research Methods in Physical Anthropology
This course provides training in the techniques of physical anthropology through reading, lecture and practical analysis of anthropological materials.
Prerequisites: ANT 20

ANT 212CDWI: Shamans, Witches and Magic
This course introduces students to the infinitely diverse ways in which groups express religious ideas - in the process rendering the familiar strange and the strange familiar. This course will examine universal and culture-specific aspects of religion, focusing primarily on "traditional" (i.e., non-scriptural) religions in order to explore some fundamental features common to all systems of religion. The course will also investigate new developments in religious belief and practice in a globalizing world.

ANT 213CDWI: World Religions
This course will examine the great "World Religions" Judaism, Christianity, Islam, Hinduism, Buddhism, and East Asian Religions in terms of their historical developments and contemporary manifestations. The course will cover basic techniques of scriptural exegesis, explore the historical roots and expansion of each religion, and examine how the religions have diversified in the face of cultural and political developments locally and globally. Special focus will be given to religious issues that are involved in major geo-political conflicts, such as the attacks of September 11, 2001, the rise of fundamentalism around the world, and the conflicts in the Middle East and South Asia.

ANT 214: Women and Religion
This course explores the complex involvement of women in the many religions of the world. Students will investigate textual and/or oral religious traditions regarding women and their places in the cosmos. Students will also explore texts written by women or practices devoted to or performed by women. The course will emphasize cultural and spiritual diversity in women's lives, as well as issues of religious empowerment, piety, leadership, scriptural interpretation, and theoretical questions involving gender, spirituality, the body, and social, ethnic, and racial differences.

ANT 215CTWI: Genders Across Cultures
This course will explain some of the main areas of inquiry in the anthropological study of gender and sexuality, examining the historical development of anthropological theories of gender, from pre-feminist perspectives to the postmodern era. Students will then explore special topics and case studies in the anthropology of gender, drawing on material from different societies.
Prerequisites: ANT 10 or the permission of the instructor.

ANT 217: The Anthropology of Frauds and Fantastic Claims
Questions dealing with the mysterious, paranormal, or supernatural have long been answered by offering fantastic explanations-explanations that invoke the occult, paranormal, mystical, and miraculous. For their part, professional scientists typically regard such fantastic explanations as pseudoscience (i.e., "fake science"). Yet pseudoscience has enjoyed renewed interest from an increasingly science-averse audience, especially in America. In this course, students will be challenged to develop the critical thinking skills necessary to evaluate alternative interpretations of evidence through an examination of archaeological, historic, and contemporary examples of pseudoscience (e.g., the search for Bigfoot; ancient aliens; climate change denial). By honing the principles of critical thinking, students will be provided the necessary skills to evaluate any claim for themselves, in preparation for informed engagement with the world around them.

ANT 218: Culture and Consumption
In every society, what is consumed, how things are consumed and by whom things are consumed carries socio-cultural meaning. The consumption and display of goods mark social identity and social status. This course will examine consumption in a broad range of societies, with a particular focus on the changing patterns of consumption and the meaning of consumption that is brought about by the globalization of consumerism.

ANT 220: Economic Anthropology
The course examines the economic institutions and the technology of various non-Western societies. Patterns of production and distribution and their cultural underpinnings are compared with one another and, implicitly, with Western industrial economies.

ANT 224CDCT: The Anthropology of Death and Dying
A survey of the on-going cultures of death and dying current in present-day Western society. Emphasis is on interaction with dying and grieving persons of all ages. Topics include the disaster syndrome, nursing homes, hospice, suicide, and funeral rituals.

ANT 226CDWI: Anthropology and Education
This course is an introduction into anthropological approaches to learning and socialization. The course will survey anthropological findings about learning, both in American culture and in non-Western cultures. Both formal and informal methods of education will be examined. The course will also examine issues involving education, schools and cultural diversity in the present-day American education system.

ANT 227: Work and Workplaces
Moving beyond viewing work as purely economic activity, this course examines the social and cultural aspects of work and workplaces. Non-industrial and industrial work will be examined in cross-cultural settings, focusing on the role of work in affecting identity, status and meaning. Particular emphasis will be placed on work in the contemporary global economy in both industrialized and post-industrialized countries. Course readings will be drawn from ethnographic studies carried out by both anthropologists and sociologists.

ANT 232CDWI: Marriage and the Family in Cross-Cultural Perspective
This course examines the forms taken by marriages and families in various world societies. The following questions will be addressed: What aspects of marriage and family are the same for all humans, and what aspects are variable? What factors account for major cross-cultural differences in the organization of marriage and the family? Why are some features the same (or nearly so) all over? Is there a biosocial base? How are marriage and family relationships used as metaphors in organizing other aspects of social life?

ANT 239: Historical Archaeology
This course provides a comprehensive overview of the archaeology of the historical period, from the first colonization of the Americas through the mid-20th century. Topics covered will include the identification of historic period artifacts, the archaeology of Spanish, French, English, German, and Dutch colonial homesteads, the archaeology of plantations and plantation life, the archaeology of urban sites, and the archaeology of mills and other industrial sites.

ANT 241CD: Race And Ethnicity
The sources and consequences of prejudice and discrimination; minorities in the social structure; strategies and programs to prevent and control inter-group tensions and conflicts.

ANT 242VLWI: Museums, Festivals and Cultural Events
This class introduces students to anthropological approaches to museums, festivals and other organizations and activities that exhibit culture, archeology, ethnicity, and folklife. The course will examine how museums, festivals and other cultural events are organized, developed and managed. The course will also examine how these organizations and events are shaped by different interests, including those that are academic, commercial, political and indigenous. Examples will be drawn from many different cultures and subcultures in the United States and elseware. Students will participate in the museums, festivals and cultural events in the region surrounding Kutztown University.

ANT 245: Language and Identity
This course provides an in-depth examination of the relationship between language, culture and identity. Students in this course will encounter the various ways that language is a resource used by speakers to shape, recreate and resist identities with in cultural contexts. Specific and interrelated linguistic anthropological topics to be examined include gender, sexual, ethnic, racial, national, transnational, socioeconomic and religious identities.

ANT 246CDCT: Globalization and Development
This course surveys the social causes and consequences of underdevelopment in Third World societies. One of its basic premises is that development and underdevelopment must be defined in terms of quality of life as well as strictly economic indicators. A prominent (but not exclusive) focus is the problem of world hunger. This issue is used as a gateway to other significant development related issues (e.g. population, industrialization, urbanization, rural development).
Prerequisites: ANT 10 or SOC 10

ANT 254CDWI: Medical Anthropology
This course is designed to combine anthropological knowledge and skills with public health problems and activities. Emphasis will be placed on the relationship between chronic disease and behavioral characteristics of the population under study. Ethnographic material will be drawn from a world-wide survey of various ethnic and national groups.

ANT 258QL: Forensic Anthropology
This course is designed to combine anthropological knowledge and skills that will allow students to identify and classify human skeletal remains for legal and medical purposes. Special consideration will be given to osteological knowledge, various measuring techniques, observational skills, determination of age, sex and race, and any possible criminal wrong-doing.

ANT 260: Applied and Practicing Anthropology
This course presents a survey of the various ways that cultural anthropology is utilized to solve problems in public, not-for-profit, non-governmental and private sector organizations and settings. The course also serves as a vehicle for students to explore their own career interests and the opportunities that exist for individuals with training in anthropology.
Prerequisites: ANT 10 or the permission of the instructor.

ANT 262CTWI: Hate Across Cultures
This course provides a comprehensive examination of hate and hate practices in cultures around the world, focusing first on a global scale, then on the national front and finally at the local level. Topics covered include the origin of hate, hate as a cultural construct, hate practices of individuals and organized groups, and the legacy of hate.
Prerequisites: ANT 010 or SOC 010 or by permission of the instructor.
Prerequisites: ANT 10 or SOC 10

ANT 271: Studies in Physical Anthropology
Studies in Physical Anthropology

ANT 272QLWI: Human Heredity
Molecular, Mendelian, populational and behavioral genetics of humans are studied from both a lecture and a problem-solving view.
Prerequisites: ANT 20 or BIO 10 or BIO 104

ANT 273WI: Primate Studies
This course covers non-human primate anatomy, taxonomy, distribution, adaption, and behavior as related to the human species.

ANT 274WI: Human Origins
The anatomical and behavioral evolution of Homo sapiens and its antecedents from the Oligocene to the Holocene is studied with emphasis upon the evolutionary basis of developments and the functional significance of changes. Extensive use is made of cast materials.

ANT 276: Studies in Physical Anthropology
Studies in Physical Anthropology

ANT 277: Studies in Physical Anthropology
Studies in Physical Anthropology

ANT 278: Studies in Physical Anthropology
Studies in Physical Anthropology

ANT 279: Studies in Physical Anthropology
Studies in Physical Anthropology

ANT 285: Millenarian Movements
A cross cultural analysis of millenarian movements - cults and/or groups of cultural reform whose intent is to achieve a "millennium" or future period of great happiness, universal love, or other dramatic climax. Special emphasis is on the cultural conditions under which such groups tend to arise, on group leadership, and on techniques of recruiting and maintaining group membership.

ANT 290CD: Culture and Personality
The course is designed as an interdisciplinary survey of the field of culture and personality. The key problem involves investigating the concepts of culture and personality and the nature of the relationship between them. Also may be taken as PSY 290.
Prerequisites: ANT 10 or PSY 11

ANT 320: Archaeological Field Methods
This course will consist of surveying and evaluating local archaeological sites. This will be followed by excavation, classification, description, and analysis of the sites. Material will be returned to campus, cleaned, and prepared for study. This will allow students to participate in original scientific research.

ANT 321: Advanced Archaeological Field Methods
This course provides intensive and advanced field experience in archaeological excavation and analysis of local archaeological sites. Through experiential learning, students will gain knowledge of how archaeological materials are recovered, processed, analyzed and interpreted. The course must be taken in the same semester as ANT 320.

ANT 335CTWI: Ethnographic Research Methods in Anthropology
Students learn methods of anthropological field research. This course introduces students to basic issues concerning ethnographic research and description. Students learn qualitative research methods, use these methods to gather information and then report on their findings.
Prerequisites: ANT 10 or SOC 10

ANT 360CMWI: History and Theory of Anthropology
Various schools of anthropological thought are studied for their contributions to the development of current anthropological theory and practice.

ANT 370: Readings in Anthropology
Students preparing for advanced study in anthropology may undertake guided readings and research. Arrangements as to the program and supervising departmental faculty must be completed prior to registration.
Prerequisites: ANT 10 or ANT 20 or ANT 30 and Permission of the Instructor

ANT 371: Selected Topics In Anthropology
The format of the course will typically be lecture and discussion. Selection of topics will vary, depending upon the needs of eligible students, and the expertise of available faculty.

ANT 379: Independent Study
Before registering the student is required to consult with the faculty member in the discipline to be studied who will supervise the independent study. May be repeated for credit.

ANT 380CTWI: Senior Seminar in Anthropology
This course consists of readings and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Anthropology. Required of all Liberal Arts students concentrating in Anthropology.

ANT 390: Internship in Anthropology
The student is placed in an anthropological work situation in which supervised practical vocational experience can be acquired. Course credit will be determined prior to enrollment and will be based on the character and extent of the work-study program. Interested students should apply through their advisors. This course may be repeated for a maximum total of 12 sh.
Prerequisites: Student must be an Anthropology major and have attained Jr. or Sr. status

ANT 391: Internship in Anthropology
The student is placed in an anthropological work situation in which supervised practical vocational experience can be acquired. Course credit will be determined prior to enrollment and will be based on the character and extent of the work-study program. Interested students should apply through their advisors. This course may be repeated for a maximum total of 12 sh.
Prerequisites: Student must be an Anthropology major and have attained Jr. or Sr. status

ANT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

ANT 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

Applied Digital Arts

APD 141: Visual Storytelling and Character Design
Students study approaches to storytelling and their application in visual narrative. Students will analyze historical examples of visual narratives and imagery related to character design, learn pre-production for character design and will develop concept art and character sheets.
Prerequisites: Applied Digital Arts majors with FAR 15 and ART 31 and ART 32

APD 148: Game Design & Prototyping
Students will explore the concept of play and how it works in building game strategies. This course covers foundation game design and workflow from inception to execution. Students will develop, plan, realize and propose their game concepts as well as make and play-test game prototypes. Three additional hours per week of outside class work is expected.
Prerequisites: Applied Digital Arts majors only, or permission of the department.

APD 240: Introduction to 3D Animation
This course provides an introductory overview of 3D Animation. Students will learn how to execute a 3D Animation project from concept to final delivery and will become proficient in a variety of contemporary animation software programs. Students will also learn the theory and history of animation within the context of a popular art form that transcends culture and language.
Prerequisites: ART 231 or permission of the instructor.

APD 250: Advanced Animation Techniques I
This course provides an overview of a range of advanced animation techniques, with particular focus on 3D character rigging and animation. Students will gain an overview of methods and materials used in the creation of armature-rigged characters for interactive environments.
Prerequisites: APD 240

APD 260: Advanced Animation Techniques II
This course provides an advanced overview of 2D & 3D animation for film. Advanced Animation Techniques II will concentrate on short-form video from project concept and pre-production to final delivery. Students will increase their proficiency in a variety of animation programs.
Prerequisites: APD 250

APD 271: 3D Prototyping
In this course, students will complete a series of projects exploring 3D modeling, 3D scanning technologies, and experimental approaches to digital model generation. Simultaneously, digital models will be made physical through additive and subtractive fabrication technologies including 3D printing, CNC milling, and laser cutting. Students will be introduced to art works, artists working with the medium, and application of this technology in commercial industry. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: FAR 15, FAR 16, ART 31, ART 32 and CDE 10; or permission of the instructor

APD 302: Digital Futures
This course introduces students to how human beings use digital interactive images to communicate, affect socio-political divides, establish identity and construct gender. Persuasive technological illusions of motion and space and advances in interface technologies bring us closer full sensory computing, the course will investigate these technologies and their potential for our globalized information society.

APD 320: Digital Team Process
Students study digital team process by creating original digital-media projects. Team based development in design feasibility, production workflows, user interface/user experience, and asset creation will be examined. Students will work as a team on projects which can include animation, game or interactive media, and present a completed project or working prototype.
Prerequisites: Applied Digital Arts majors with at least 60 s.h. completed; or permission of the instructor.

APD 370: Senior Project I
Students will integrate skills and knowledge from previous course work to create a two-semester long, individual or team capstone project. In Senior Project I, students will develop a project concept, and generate elements needed in pre-production. These include concept and narrative, visual design, pre-production schedule and asset creation.
Prerequisites: APD 260, Advanced Animation Techniques II or permission of the department.

APD 376: Independent Study: Applied Digital Arts
Independent Study involves individual pursuit and self-determination in an aspect of Applied Digital Arts not being offered in program coursework.

APD 377: Independent Study: Applied Digital Arts
Independent Study involves individual pursuit and self-determination in an aspect of Applied Digital Arts not being offered in program coursework.

APD 378: Independent Study: Applied Digital Arts
Independent Study involves individual pursuit and self-determination in an aspect of Applied Digital Arts not being offered in program coursework.

APD 379: Independent Study: Applied Digital Arts
Independent Study involves individual pursuit and self-determination in an aspect of Applied Digital Arts not being offered in program coursework.

APD 380: Senior Project II
Students will integrate skills and knowledge from previous course work to create a two-semester long, individual or team capstone project. In Senior Project II students will do production and post production phases for the capstone project. Production and post-production may include, animation, cinematography, prototyping, working with developers, play testing, sound design, and final delivery.
Prerequisites: Grade of C or higher in APD 370, Senior Project I.

APD 385: Selected Topics in Applied Digital Arts
This course will provide opportunities for students to investigate specialized areas of study within the field of Applied Digital Arts on an as needed basis. Topics will cover processes, techniques, or concepts not covered or only superficially addressed in regular course offerings.

APD 390: Internship in Applied Digital Arts
This course provides an opportunity for the student to experience the practice of Applied Digital Arts course material in a professional setting. The student will complete 40 hours per academic credit, up to 6 credits, working in a professional setting where Applied Digital Arts program content is practiced. The specific nature of the businesses will vary. Possible professional applications include businesses that specialize in animation, motion graphics, game development, digital marketing, as well as other businesses or organizations that do work related to the APD curriculum. This course may be repeated.
Prerequisites: Applied Digital Arts majors with 60 or more completed credits (JR status).

Arabic

ARA 11: Elementary Arabic I
This course in Arabic is the entry elementary level language course for beginners and will provide students with the beginning skills in listening, speaking, reading and writing the Arabic language basic on the peoples and cultures of the Arabic-speaking world.

ARA 12: Elementary Arabic II
This course in Arabic is the second semester (elementary II) level language course for beginners and will provide students with the beginning skills in listening, speaking, reading and writing the Arabic language basic on the peoples and cultures of the Arabic-speaking world.
Prerequisites: ARA 11

Art

ART 10VL: Experiencing Art
In this course, students who are non-art majors will be introduced to a variety of orientations used to create an understanding of fine arts, design, and crafts. These include: media, techniques, motivations, design, conceptual development processes, and aesthetic traditions. The course also emphasizes studying art critically and historically and forming educated opinions about works of art.
Prerequisites: Non-visual arts major/minors only.

ART 20: Two-Dimensional Visual Literacy
Design implies order, arrangement, and plan. The student will study how design elements and principles influence perception and personal expression. Analysis of historical and contemporary art, together with exploration in various media and techniques, should give the student experience in conceptualizing, visualizing, and executing two-dimensional designs. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: Open to all but the following majors: Art Education, Communication Design, Crafts, Fine Arts

ART 31VL: Two-Dimensional Design
Design implies order, arrangement, and plan. The student will study how design elements and principles influence perception and personal expression. Analysis of historical and contemporary art, together with exploration in various media and techniques, should give the student experience in conceptualizing, visualizing and executing two-dimensional designs. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

ART 32VL: Three-Dimensional Design
Studio involvement includes a continuum of experiences typical of the evolvement of the concepts of three-dimensional sculpture/design as manifested in history. Constructive experiences with a great variety of materials are designed to develop relationships of two- and three-dimensional design and then identify concepts that are unique to three-dimensional design. The role of light will be explored as it affects elements: edge, shape, color as a change agent from the illusions of two-dimensional surface to the reality of three-dimensional space through the principles of emphasis, continuity and balance, other natural phenomena, such as touch, motion, kinesthetic and some applications will be explored. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

ART 120: Introduction to Product Design
This course provides an introduction to the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture, etc. Students in this class will develop an understanding of the range of artifacts that are included in this field, design products related to specific assignments, learn to work within constraints related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: For all undergraduate students in the College of Visual and Performing Arts except Theatre, Music, Music Education & Com Studies (Speech) majors, and ART 31, ART 32, FAR 15 and FAR 16; or permission of the instructor.

ART 171CPVL: Computer Aided Modeling and Rendering
This course is an introduction to software associated with the design of three-dimensional objects in virtual space. Students in this class will learn to use three dimensional modeling and rendering software to develop their ideas, visualize those ideas as three-dimensional forms, and present their ideas to others. Students will develop 3D drawings defined by the professor and based on their own body of work. A minimum of 3 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: Open to all students in Electronic Media and the College of Visual and Performing Arts or permission of the instructor

ART 182CP: Introduction to Time-Based Media
This course provides an introduction to the creation of images through computer-based technologies. During the course students will not only learn the use and basic capabilities of both still and time-based digital image-making equipment and software, they will also explore the unique ways in which computers facilitate artistic expression. Students will be introduced to art works, artists, alternative-viewing sites, cyber communities, aesthetics and criticism related to digital art. They will also consider digital tools as part of a continuum of technological innovation in the visual arts. This course serves as an introduction to digital media and prepares students for advanced digital art courses and other courses requiring a basic familiarity with these media. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major; or permission of the department.

ART 212: Professional Practice: Digital Communication
This course will focus on developing a fundamental skill set utilizing computer technology as a professional promotional tool. An introduction to software appropriate for the development and editing of graphic design, images and text intended for promoting artwork and art related events. A minimum of 4 hours of work outside of class is required per week.

ART 231: Digital Animation
This course provides an introductory overview of digital animation. Students will complete a project from its conception to final presentation. Basic production techniques, project planning, and linear versus non-linear narrative are all fundamental components covered in this course. Students will become proficient in using a variety of animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: FAR 15, FAR 16, ART 31, and ART 32; or permission of the instructor.

ART 251: Sound Art
This course provides a foundational exploration of digital sound and sound art. During the course, students will learn to use field recording audio equipment and software, as well as explore the unique ways in which sound facilitates artistic expression. This course is project- based, focusing on the creation of experimental sound compositions and the spatialization of sound. Students will also learn to work with sound as a medium in visual arts. They will also be introduced to the history of electronic music and how to analysis important works from its cannon. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: Vis Art Majors: Art Education, Communication Design, Crafts, Studio Art, or Applied Digital Art

ART 270: Installations
This is a studio and workshop based course that takes a hybrid approach to traditional art practices. Drawing, painting, sculpture, performance, sound, light, movement, as well as unconventional materials and processes will be explored and combined in a variety of ways in the creation of installation artworks. The significance and role of the site and the social-cultural context in which these pieces exist will be emphasized. Students will work both individually and collaboratively as they research and investigate the possibilities of each project. Historical and contemporary examples of installation art will be viewed and discussed. There will be field trips to galleries and museums to see installation art-works. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: For all undergraduate students in the College of Visual and Performing Arts except Theatre, Music, Music Education & Com Studies (Speech) majors, and ART 31, ART 32, FAR 15 and FAR 16; or permission of the instructor.

ART 320CD: Introduction to Material Culture Conservation
This course provides an introduction to the conservation of material culture, which includes craft, objects, archives, and buildings. Conservators study, assess, plan, and implement approaches to preserving material culture. This includes approaches to treating the effects of deterioration from natural and man-made causes. Students in this course will explore conservation theory and will demonstrate their understanding through a series of projects associated with the Pennsylvania German Cultural Heritage Center and other local and regional museums and galleries. Students will complete restoration projects drawn from this site. A minimum of 3 hours of work outside of class is required per week.

ART 321: Product Design Studio I
This course provides advanced study in the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture etc. Students in this class will develop an understanding of the range of artifacts that are included within this field, design products related to specific assignments, learn to work within constrains related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: For all undergraduate students in the College of Visual and Performing Arts except Theatre, Music, Music Education & Com Studies (Speech) majors, and ART 31, ART 32, FAR 15 and FAR 16; or permission of the instructor.

ART 322: Product Design Studio II
This course provides advanced study in the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture etc. Students in this class will develop an understanding of the range of artifacts that are included within this field, design products related to specific assignments, learn to work within constrains related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: ART321

ART 323: Product Design Studio III
This course provides advanced study in the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture etc. Students in this class will develop an understanding of the range of artifacts that are included within this field, design products related to specific assignments, learn to work within constrains related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: ART322

ART 324: Product Design Studio IV
This course provides advanced study in the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture etc. Students in this class will develop an understanding of the range of artifacts that are included within this field, design products related to specific assignments, learn to work within constrains related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: ART323

ART 325: Product Design Studio V
This course provides advanced study in the profession of Product Design. Product designers conceive, plan, and develop models of consumer products, such as toasters, lamps, helmets, furniture etc. Students in this class will develop an understanding of the range of artifacts that are included within this field, design products related to specific assignments, learn to work within constrains related to materials and markets, develop a design concept, create models and prototypes, and explain and promote the value of their solutions. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: ART324

ART 331: Animation Studio I
This course provides advanced study in digital animation. Students will develop a project and learn how to execute it, starting from conception to final delivery. Advanced production techniques, project planning, and linear versus non-linear narrative using interactive buttons will be covered in this class. Students will become proficient in using a variety of state of the art animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours or work outside of class is required per week.
Prerequisites: ART 231 or permission of the instructor.

ART 332: Animation Studio II
This course provides advanced study in digital animation. Students will develop a project and learn how to execute it, starting from conception to final delivery. Advanced production techniques, project planning, and linear versus non-linear narrative using interactive buttons will be covered in this class. Students will become proficient in using a variety of state of the art animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours or work outside of class is required per week.

ART 333: Animation Studio III
This course provides advanced study in digital animation. Students will develop a project and learn how to execute it, starting from conception to final delivery. Advanced production techniques, project planning, and linear versus non-linear narrative using interactive buttons will be covered in this class. Students will become proficient in using a variety of state of the art animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours or work outside of class is required per week.

ART 334: Animation Studio IV
This course provides advanced study in digital animation. Students will develop a project and learn how to execute it, starting from conception to final delivery. Advanced production techniques, project planning, and linear versus non-linear narrative using interactive buttons will be covered in this class. Students will become proficient in using a variety of state of the art animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours or work outside of class is required per week.

ART 335: Animation Studio V
This course provides advanced study in digital animation. Students will develop a project and learn how to execute it, starting from conception to final delivery. Advanced production techniques, project planning, and linear versus non-linear narrative using interactive buttons will be covered in this class. Students will become proficient in using a variety of state of the art animation programs. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. A minimum of 3 hours or work outside of class is required per week.

ART 351: 3D Animation Studio I
This course provides advanced work in the development of 3D animation. Students will develop a project and learn how to execute it, starting from conception to its final presentation. Production techniques, project planning, and linear versus non-linear narrative are all components covered in this course. Students will become proficient in using 3D animation software. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. Prior experience with computer aided modeling and rendering is required. A minimum of 4 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: CFT or ART 171 Computer Aided Modeling and Rendering. Open to Electronic Media majors and the college of Visual and Performing Arts except Music, Music Education, and Communication Studies.

ART 352: 3D Animation Studio II
This course provides advanced work in the development of 3D animation. Students will develop a project and learn how to execute it, starting from conception to its final presentation. Production techniques, project planning, and linear versus non-linear narrative are all components covered in this course. Students will become proficient in using 3D animation software. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. Prior experience with computer aided modeling and rendering is required. A minimum of 4 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: CFT or ART 171 Computer Aided Modeling and Rendering. Open to Electronic Media majors and the college of Visual and Performing Arts except Music, Music Education, and Communication Studies.

ART 353: 3D Animation Studio III
This course provides advanced work in the development of 3D animation. Students will develop a project and learn how to execute it, starting from conception to its final presentation. Production techniques, project planning, and linear versus non-linear narrative are all components covered in this course. Students will become proficient in using 3D animation software. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. Prior experience with computer aided modeling and rendering is required. A minimum of 4 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: CFT or ART 171 Computer Aided Modeling and Rendering. Open to Electronic Media majors and the college of Visual and Performing Arts except Music, Music Education, and Communication Studies.

ART 354: 3D Animation Studio IV
This course provides advanced work in the development of 3D animation. Students will develop a project and learn how to execute it, starting from conception to its final presentation. Production techniques, project planning, and linear versus non-linear narrative are all components covered in this course. Students will become proficient in using 3D animation software. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. Prior experience with computer aided modeling and rendering is required. A minimum of 4 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: CFT or ART 171 Computer Aided Modeling and Rendering. Open to Electronic Media majors and the college of Visual and Performing Arts except Music, Music Education, and Communication Studies.

ART 355: 3D Animation Studio V
This course provides advanced work in the development of 3D animation. Students will develop a project and learn how to execute it, starting from conception to its final presentation. Production techniques, project planning, and linear versus non-linear narrative are all components covered in this course. Students will become proficient in using 3D animation software. Students will also learn how to plan and create storyboards to organize their animation ideas effectively. Prior experience with computer aided modeling and rendering is required. A minimum of 4 hours of work outside of class is required per week. Open to all students in Electronic Media and the College of Visual and Performing Arts except Music, Music Education, and Communication Studies.
Prerequisites: CFT or ART 171 Computer Aided Modeling and Rendering. Open to Electronic Media majors and the college of Visual and Performing Arts except Music, Music Education, and Communication Studies.

ART 370: Selected Topics in Art Education
Students in this course will have the opportunity to explore special topics, issues, and teaching practices related to art education. Under this prefix, different topics, which provide distinctive learning experiences, will be offered periodically. The specific topic(s) offered for each semester will be listed in the schedule. Instruction will be lecture/seminar. A minimum of 3 hours of work outside of class is required per week.

ART 371: Selected Topics in Art Studio
Students in this course will have the opportunity to explore special topics, issues, and creative practices related to art, design, and visual culture. Under this prefix, different topics, which provide distinctive learning experiences, will be offered periodically. The specific topic(s) offered for each semester will be listed in the schedule. Instruction will be through art studios. A minimum of 3 hours of work outside of class is required per week. Repeatable up to 12 s.h. (6 c.h., 3 s.h.)

ART 385: Individual Problems Seminar
An opportunity is provided to pursue a personal interest in an area of study that represents a particular independent challenge in art education, aesthetic education, or studio. The student will work with the professor on an individual basis during the study of his/her area of focus and will periodically report/display the findings/results to his/her peers in a seminar setting.

ART 386: Digital Sculpture
Students in this course will examine new types of digital media by learning to operate a microcontroller (which is a small computer) and dismantling objects. Students will use the microcontroller to create either an interactive or non-interactive artwork. The course includes an overview of the history of digital art and some reading is required. Students will spend time building circuits, soldering, writing programs, and using these instruments to create sound, light and motion works. Students will gain a new understanding of the psychological, social and ethical opportunities digital media offers. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: FAR 182 or permission of the instructor.

ART 392: Field Experience in Art
This course is designed to provide the student with educational opportunities outside the normal academic program which cannot be gained through the more traditional course structure. By serving as apprentices, interns, aides or assistants in a variety of settings ranging from public institutions to private industries, businesses and studios, the student will be able to augment and extend his or her educational experiences to achieve specific personal/professional career objectives. Variable credits 1 to 16 semester hours. Minimum of two hours field experience per week or thirty hours per semester for each academic credit hour.

ART 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

ART 399: Student Exhibition
This student exhibition is a requirement for graduation. All BFA Related Arts with a Visual Arts Concentration degree candidates participate in a Senior Show. Seniors who will be graduating in December register for the senior exhibition held at the end of the Fall semester. Seniors who will be graduating in May or at the end of either of the two Summer Sessions register to participate in the senior shows held during the Spring Semester. Participation in a Senior Show is defined as showing at least one piece/documentation/record within the confines of the display area being used for the exhibition (usually the Sharadin Art Gallery). Showing work in alternate spaces on campus, and not in the Senior Show, will not satisfy the graduation requirement.

Art Criticism

ARC 15VL: Art, Design, and Visual Culture
This course is a survey of the manner in which the visual arts are an influential aspect of the lives of everyone. Design is explored in terms of theory, historical and cultural foundations, materials, and practical design in the environment. Field trips and guest presentations will supplement lecture-visual instruction. Student assignments may be satisfied by both academic and/or studio performance. This course should enable both art students and non-art students to discover together the ways in which designs evolve, the influence of design on their everyday lives, and the importance of art in helping people enjoy a fuller life. The course is designed as a general education humanities elective.
Prerequisites: Open to all except those in the following majors: Art Education, Studio Art or Communication Design

ARC 105: Aesthetic Experience in the Arts
This course is designed to acquaint the student with the skills and attitudes needed to understand and cope with aesthetic experience, which is assumed to be a natural component of all human experience. In acquiring such skills and attitudes, the student will gain some general understanding of some aesthetic issues but, and more importantly, the student will be able to respond more effectively to aesthetic experiences. To acquire these skills and attitudes, the student will practice, personally and individually, confronting a wide-range of aesthetic phenomena. This course may be selected under humanities or free electives.

ARC 200VLWI: Visual Culture: Critical Theory
This course provides an introduction to those critical theories and practices that have framed 20th century understandings of visual art, design, and visual culture. Students will read a variety of texts, such as critical theories, biographies, historical essays, and case studies. Students will also interpret a variety of artifacts drawn from the visual arts. Ideas gained from these readings and interpretations will be applied to a wide range of 20th century images, objects, and performances. Students will become conversant with the critical theories and practices presented and will use this knowledge to develop informed opinions through their own writing about visual culture.

ARC 211CDVL: Women in the Arts
This course will provide an overview of women's creative achievements, experiences and status in the visual arts. The focus of this course is on gender; however, issues relating to the intersections of gender with race, class, national origin, ethnicity, age, and sexual orientation will also be discussed. As well, the course will explore the portrayal of women and the way in which cultural definitions of gender shape women's aesthetic expression.

ARC 220: Visual Culture: Global Perspectives
This course will emphasize traditional and contemporary visual culture in a global context. The course is organized through themes that are shared by a range of cultural, ethnic, or community interest groups. Emphasis will be placed upon visual culture that lies outside of the mainstream western fine arts tradition. Students will be introduced to the ways that broad humanistic concepts are expressed by different traditions, with an emphasis on the unique contributions of specific cultures, ethnic, religious groups and individuals. This course will be taught in a lecture/discussion format.

ARC 241CDVL: Color: Perception, Properties, and Production
This course will provide an understanding of color through a broad range of disciplines including the arts, sciences, and humanities. Students can expect to examine the use of color through dyes, paints, and projected technologies, interpret the ways that color has been used to communicate in nature and culture, study biological and psychological aspects of color perception, enjoy the use of color in the production of images, objects, performance, environments and experiences, and understand the physical properties of color. Students will be introduced to the unique contributions of specific cultures, ethnic, religious groups and individuals to our understanding and interpretation of color. This course will be taught in lecture/discussion format.

ARC 261CD: Survey of Crafts
This course is a survey of the crafts beginning with origins, historical impact, craft guilds, craft movements, and resurgence of crafts in contemporary society. Emphasis will be placed on four basic craft areas: clay, fibers, metal, and wood, with an overview of other significant crafts. This course may be taken by non-craft majors and used as a general education elective.
Prerequisites: Department of Art Education & Crafts, Communication Design, or Fine Arts; and ART 31, ART 32, FAR 15 and FAR 16; or permission of the instructor.

ARC 300CTWI: Visual Culture: Critical Practice
This course aims to expand student awareness of the proliferation and pervasiveness of imagery, artifacts, and events in contemporary visual culture. It also seeks to engage students in the critique of images, artifacts, cultural sites, and public spheres. Students are encouraged to use critical strategies to reflect on the relationship of contemporary visual culture to the construction of identity, the richness of global cultures, and the integrity of human-made environments. The course is writing-intensive, emphasizing the need for students to clearly articulate their ideas, using models from disciplines engaged in similar critiques.

ARC 342: Criticism in Art
This course is an advanced criticism course based on the fundamental principles introduced in RAR 105 Aesthetic Experience in the Arts. The visual arts provide the main focus of the course, although other art forms may also be considered to a lesser extent. Students study methods of criticism and the aesthetic theories upon which those methods are based. The writings of contemporary critics are analyzed and compared. Students develop their critical skills as they study original art works. This course may be selected under humanities.

ARC 375: Selected Topics In Related Arts

Art Education

ARU 110CT: Explorations in Art Education
This course explores the foundations of learning and teaching art and introduces relationships between art, learners, and educational settings. Students in the course will investigate the history of art education and the purposes and function of art education in culture and society. Students in the course will examine pedagogical components to learners' investigations of art, design, craft, and visual culture (e.g. learners, learning environment, artmaking practices, curriculum planning, instructional delivery). An emphasis will be placed on exploring possible professional identities and roles people undertake when teaching about, in, and through art. Course activities will include observations of various art settings, facilitation of artmaking for other learners, art-based research, and critical responses of art in educational settings. The class will include both lecture/discussions and performance-based activities. A minimum of 8 hours of work outside of class is required per week.

ARU 132CD: Art in Alternative Settings
This course introduces and examines educational theories and practices as they are implemented in alternative education settings such as non-school settings (e.g. correctional settings, retirement centers), non-traditional or non-public school settings (e.g. cyber school, charter schools), alternative arts venues, museums, non-profit organizations and community based groups. Course topics include exploration of effective pedagogy for teaching art to diverse communities and cultures and investigation into the development, role and value of museums, contemporary community-based organizations and alternative art venues in relationship to art education. A range of issues, strategies, perspectives and theories associated with teaching in alternative sites will be explored through reflection responses, critical/reading responses, field experiences, and seminar discussions.

ARU 210: Learning in the Visual Arts: Childhood
This course explores learning in the visual arts focusing on childhood (Pre-K-elementary). This course provides learners with an introduction to teaching visual arts (fine art, design, craft) and visual culture in Pre-K-elementary settings. Learners in this class will investigate curriculum planning, individual and social development, instructional strategies, as well as theoretical issues in art education. The class will be conducted within a studio framework and will include observations, presentations, discussions, and performance-based activities.
Prerequisites: ARU 110.
Prerequisites: Open to Art Education majors with a grade of "B" or better in ARU110 or permission of the instructor

ARU 236: The Arts and Pre-K 4 Education
This course provides Pre-K through Gr4 Teacher Candidates with concepts and skills central to the visual and performing arts (Visual Art, Music, Theater, and Dance). Candidate will learn how to construct developmentally appropriate learning experiences in the arts for Pre-K through 4 students and how to integrate these experiences with other subjects. (3 s.h., 4 c.h.)

ARU 301: Art Education Field Experience
This course is a practical orientation to the teaching of art in a multi-cultural society through being an aide to an art teacher in a school situation. Students have opportunities to experience the adaptation of media and techniques for instruction in the classroom. Seminars, workshops, and individual conferences with the college instructor accompany the experience of the art classroom assistantship. Students are responsible for their own transportation. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. (6 c.h., 4 s.h.)
Prerequisites: All Students in the Art Education undergraduate major; and SPU 201; and ARU 310 passed with a B- or better; or permission of instructor.

ARU 310: Learning in the Visual Arts: Adolescence
This course provides learners with an introduction to teaching visual arts (fine art, design, craft) and visual culture to adolescent populations. Learners in this class will investigate curriculum planning, instructional strategies, the learning environment as well as contemporary, historical, and theoretical issues in art education. Emphasis will be placed on exploring teacher identity and professionalism in the field. Also, this course will investigate the emotional, physical, social and cognitive development of adolescent student experiences with the lens of difference through representation. The class will be conducted within a framework that will include presentations, discussions, and performance-based activities.
Prerequisites: Art Education majors with ARU 210 with a grade of "B" or better.

ARU 315: Museum Education
This course provides students with an introduction to teaching art and visual culture in museum settings. Learners in this class will investigate curriculum planning, individual and social development, instructional strategies, as well as historical and theoretical issues in museum education. Learner activities will include observation of museum education programs, studio and critical response activities, and the design of curriculum plans and instructional materials appropriate for museum settings. The class will be conducted within a studio framework and will include both lecture/discussions and performance-based activities. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 330: Studio Thinking
Studio instruction is a central feature of art education in schools, museums, and community settings. In this course, students will be introduced to a wide range of strategies teachers employ to engage their students in studio thinking (Fine Arts, Crafts, Design). Students will investigate developmentally appropriate strategies used to demonstrate, facilitate, and critique artwork. Students in this class will be introduced to a range of issues, strategies, and perspectives associated with studio teaching methods.
Prerequisites: ARU 110

ARU 331CD: Designing for Disabilities in Art Education Settings
The art classroom is a unique community with specialized learning and its own set of unique challenges. Students will gain expertise in understanding their roles and responsibilities as advocates and teachers of students with disabilities. This course will provide the opportunity to apply information such as: definitions, theories, and laws about working with students with disabilities, into practice within the setting of the art classroom. In addition, they will gain first-hand experience working with students with disabilities, conducting needs assessments, and designing and/or adapting curriculum and tools to make arts learning accessible to all students. (3 s.h., 6 c.h.)
Prerequisites: ARU 110 and SPU 201; or permission of the instructor.

ARU 335: Integrated Curriculum in the Art Classroom
This course introduces and examines the history, theories, goals, and practices for integrating diverse disciplines with art education curriculum. The course offers exploration of meaningful, natural, and significant interdisciplinary of cross-disciplinary connections between art and no-art subjects. Through reflective responses, critical/reading responses, field experience, and seminar discussions the students' will learn how to develop substantive connections between the arts and other subject areas and explore a range of issues, strategies, theories, and resources associated with making interdisciplinary connections for teaching an integrated art curriculum.

ARU 370: Selected Topics In Art Education
Students in this course will have the opportunity to explore special topics, issues, and teaching practices related to art education. Under this prefix, different topics, which provide distinctive learning experiences, will be offered periodically. The specific topic(s) offered for each semester will be listed in the schedule. Instruction will be lecture/seminar. Repeatable up to 9 s.h. A minimum of 3 hours of work outside of class is required per week.

ARU 377: Independent Study: Studio I
An opportunity is provided to pursue an interest in an area of study that represents a particular independent challenge in art education. This study is expected to diverge from normal course requirements. (Repeatable up to 16 semester hours.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned.

ARU 378: Independent Study: Studio II
An opportunity is provided to pursue an interest in an area of study that represents a particular independent challenge in art education. This study is expected to diverge from normal course requirements. (Repeatable up to 16 semester hours.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned.

ARU 379: Independent Study: Studio III
An opportunity is provided to pursue an interest in an area of study that represents a particular independent challenge in art education. This study is expected to diverge from normal course requirements. (Repeatable up to 16 semester hours.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned.

ARU 380: Independent Study: Studio IV
An opportunity is provided to pursue an interest in an area of study that represents a particular independent challenge in art education. This study is expected to diverge from normal course requirements. (Repeatable up to 16 semester hours.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned.

ARU 390: Clinical Experience and Practicum I
Student teaching is the culminating experience of the undergraduate Art Education program. It provides the student teacher with opportunities to observe professional art teachers on the advanced level and to participate instructionally in the art education programs of the schools. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchange-able with the expectation of continued development of classroom management, teaching strategies, and instructional expertise. The student teacher is expected to plan and teach on both levels. The Practicum is a seminar, scheduled concurrently with Student Teaching; during the seminar, students discuss with the University supervisor teaching strategies, classroom management, application of theoretical models, and other pre-professional concerns.
Prerequisites: All Students in Art Education undergraduate major; and ARU 301 passed with a B- or better; or permission of the instructor

ARU 391: Clinical Experience and Practicum II
Student teaching is the culminating experience of the undergraduate Art Education program. It provides the student teacher with opportunities to observe professional art teachers on the advanced level and to participate instructionally in the art education programs of the schools. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchange-able with the expectation of continued development of classroom management, teaching strategies, and instructional expertise. The student teacher is expected to plan and teach on both levels. The Practicum is a seminar, scheduled concurrently with Student Teaching; during the seminar, students discuss with the University supervisor teaching strategies, classroom management, application of theoretical models, and other pre-professional concerns.
Prerequisites: All Students in Art Education undergraduate major; and ARU 301 passed with a B- or better; or permission of the instructor

ARU 392: Field Experience in Art Education
This course is designed to provide the student with educational opportunities outside the normal academic program that cannot be gained through the more traditional course structure. By serving as apprentices, interns, aides, or assistants in a variety of settings ranging from public institutions to private industries, businesses, and studios, the student will
be able to augment and extend his or her educational experiences to achieve specific personal professional career objectives. Variable credit 1 to 16 semester hours. Minimum of two hours field experience per week or thirty hours per semester for each academic credit hour.

ARU 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

ARU 399: Senior Exhibition
Student exhibition is a requirement for graduation. All BS in Art Education degree candidates participate in a Spring Semester Senior show the year that that are graduating. December graduates will show in the Spring semester prior to graduation. Participation in a Senior Show is defined as showing at least one piece/documentation/record within the confines of the display area being used for the exhibition (usually the Sharadin Art Gallery). Showing work in alternate spaces on campus, and not in the Senior Show, will not satisfy the graduation requirement.

ARU 401: Learning in the Visual Arts: Childhood
This course provides learners with an introduction to teaching visual arts (fine art, design, craft) and visual culture in grades preK-5 elementary settings. Learners in this class will investigate curriculum planning, individual and social development, instructional strategies, as well as historical and theoretical issues in art education. Learner activities will include narrative account, observation of elementary teaching settings, studio and critical response activities, and the design of curriculum plans and instructional materials appropriate for art and visual culture in elementary settings. The class will be conducted within a studio framework and will include presentations, discussions and performance-based activities. ARU 401 & ARU 420 are co-requisites and should be taken simultaneously.
Prerequisites: Art Ed. Certification students only

ARU 420: Learning in the Visual Arts: Adolescence
This course provides learners with an introduction to teaching the visual arts (fine art, design, craft) and visual culture to adolescent populations. Learners in this class will investigate curriculum planning, individual and social development in the arts, instructional strategies, as well as historical and theoretical issues in art education. Learner activities will include observation of and interaction with adolescent learners, studio and critical response activities, and the design of curriculum plans and instructional materials appropriate for art and visual culture to adolescents. The class will be conducted within a studio framework and will include presentations, discussions and performance-based activities. ARU 401 & ARU 420 are co-requisites and should be taken simultaneously.
Prerequisites: Art Ed. Certification students only

ARU 430: Studio Thinking
Studio instruction is a central feature of art education classes in Pre K through 12 settings. In this course, students will be introduced to a wide range of strategies teachers employ to engage their students in studio thinking (Fine Arts, Crafts, Design). Students will investigate developmentally appropriate strategies used to demonstrate, facilitate, and critique artwork. Students in this class will be introduced to a range of issues, strategies, and perspectives associated with studio teaching methods.
Prerequisites: ARU 401,420

ARU 440: Visual Culture: Critical Practice and Pedagogy
This course aims to expand the student awareness of the proliferation and pervasiveness of imagery, artifacts, and events in art and visual culture, and provides an introduction to those critical theories and practices that have framed 20th century understandings of visual art, design, and visual culture. Students are encouraged to use critical strategies to reflect on the relationship of contemporary art and visual culture to the construction of identity, the richness of global cultures, and the integrity of human-made environments. The course is writing-intensive, emphasizing the need for students to clearly articulate their ideas, using models from disciplines engaged in similar critiques.
Prerequisites: ARU 401, ARU 420.

ARU 450: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 451: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 452: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 453: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 454: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 455: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 456: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 457: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 458: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 459: Best Practices in Art Education
This course is a study of exemplary teaching in art education. Case studies and model teaching will introduce students to instructional strategies practiced by experienced teachers in noteworthy K-12 art programs. Through lecture/discussion, students will examine how these practices relate to the style and personality of teachers, state and local standards, and the context of specific schools involved in the case studies. An emphasis will be placed upon specific teaching contexts and their applicability to other situations. 1-3 c.h., 1-3 s.h. Repeatable up to 9 s.h.
Prerequisites: ARU 110 & 210 or with permission of the instructor.

ARU 475: Art Education Field Experience
This course is a practical orientation to the teaching of art in a multicultural society through being an aide to an art teacher in a school situation. Students have opportunities to experience the adaptation of media and techniques for instruction in the classroom. Seminars, workshops, and individual conferences with the college instructor accompany the experience of the art classroom assistantship. Students are responsible for their own transportation. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours. A minimum of 6 hours of work outside of the class is required per week.
Prerequisites: ARU 401 and ARU 420

ARU 490: Clinical Experience and Practicum I
Student teaching is the culminating experience of the Art Education certification program. It provides the student teacher with opportunities to observe professional art teachers on the advanced level and to participate instructionally in the art education programs of the schools. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchangeable with the expectation of continued development of classroom management, teaching strategies, and instructional expertise. The student teacher is expected to plan and teach on both levels. The Practicum is a seminar, scheduled concurrently with the Clinical Experience; during the seminar, students discuss with the university supervisor teaching strategies, classroom management, application of theoretical models, and other pre-professional concerns.
Prerequisites: ARU 401 and ARU 420 and ARU 430 and ARU 440 and ARU 475

ARU 491: Clinical Experience and Practicum II
Student teaching is the culminating experience of the Art Education certification program. It provides the student teacher with opportunities to observe professional art teachers on the advanced level and to participate instructionally in the art education programs of the schools. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchangeable with the expectation of continued development of classroom management, teaching strategies, and instructional expertise. The student teacher is expected to plan and teach on both levels. The Practicum is a seminar, scheduled concurrently with the Clinical Experience; during the seminar, students discuss with the university supervisor teaching strategies, classroom management, application of theoretical models, and other pre-professional concerns.
Prerequisites: ARU 401 and ARU 420 and ARU 430 and ARU 440 and ARU 475

Art History

ARH 24VL: Art History A
This course will include the historical development of painting, sculpture, architecture, and craft arts from Pre-history through the Gothic Period in Western Art. Emphasis will be placed on cultural, economic, religious and philosophical factors and their relationship to art.
Prerequisites: Non-visual arts major/minors only.

ARH 25VL: Art History B
The course content will include the historical development in Western art of painting, sculpture, architecture, and craft arts from the Renaissance through post-Impressionism. The major artists, movements and styles of painting, sculpture, architecture and photography of the period will be introduced. Emphasis will be the study of art as it is shaped by its cultural, economic, religious, and philosophical context. This is a writing intensive, discussion-based course. It is designed to fulfill a general education requirement and is a large format lecture course.
Prerequisites: Non-visual arts major/minors only.

ARH 26VL: Art History C
This course will investigate the historical development of Western art from the Impressionist period to the present. The major artists, movements and styles of painting, sculpture, architecture and photography of the period will be introduced. The course will proceed chronologically, emphasizing relevant cultural, social, economic, political, and philosophical developments. No prerequisites.
Prerequisites: Non-visual arts major/minors only.

ARH 27: History of Animation, Game Art, and Interactive Media
This course introduces students to the history of animation, game art, and interactive media. Technological developments in, and critical debates about, these media will be situated within cultural, social, and artistic contexts, affording a multifaceted study of visual culture in the twentieth and twenty-first centuries.

ARH 124CTWI: Art History A
This course will include the historical development of painting, sculpture, architecture, and craft arts from Pre-history through the Gothic Period in Western Art. Emphasis will be placed on cultural, economic, religious and philosophical factors and their relationship to art.
Prerequisites: Department of Art Education & Crafts, Communication Design, or Fine Arts; or permission of the instructor

ARH 125CTWI: Art History B
The course content will include the historical development in Western art of painting, sculpture, architecture, and craft arts from the Renaissance through post-Impressionism. The major artists, movements and styles of painting, sculpture, architecture and photography of the period will be introduced. Emphasis will be the study of art as it is shaped by its cultural, economic, religious, and philosophical context. This is a writing intensive, discussion-based course. It is designed to fulfill a general education requirement and is a large format lecture course.
Prerequisites: Department of Art Education & Crafts, Communication Design, or Fine Arts; or permission of the instructor

ARH 126CTWI: Art History C
This course will investigate the historical development of Western art from the Impressionist period to the present. The major artists, movements and styles of painting, sculpture, architecture and photography of the period will be introduced. The course will proceed chronologically, emphasizing relevant cultural, social, economic, political, and philosophical developments. No prerequisites.
Prerequisites: Department of Art Education & Crafts, Communication Design, or Fine Arts; or permission of the instructor

ARH 128: Global Art Survey
This course will survey global art history beginning with ancient cultures through the contemporary period. Through thematic and chronological exploration of world cultures students will become familiar with major artistic trends and theoretical perspectives. This course will examine the construction, fluidity, and impact of transcultural exchanges and resulting global transformations as well as the politics of representation within art, visual and material culture.

ARH 302: Early Christian and Byzantine Art
The study of the Christian art of western and eastern Europe, and environs, from Pentecost to the seventh century in the west up to the fifteenth century in the east.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 303: Art of Ancient Greece and Rome
The historical development of art-styles in painting, sculpture, architecture, and crafts and artistic concepts of ancient Greece and Rome from the rise of Greece to the fall of Rome.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 304: Renaissance Art
A study of Renaissance painting, architecture and sculpture with emphasis on the cultural forces which give form to the art. Concentration will be centered on Italy and the emergence of humanism.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 305: Medieval Art: Carolingian to High Gothic
This course presents a chronological development in style, iconography, and iconology of western painting, sculpture, architecture, and other art forms of this period.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 306: Art of Northern Europe: 1350-1580
The art of trans-Alpine Europe as it developed nationally during the time of the Renaissance in Italy. Particular attention is paid to that art of France, Great Britain, the Germanies, and the two Netherlands.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 307: European Art: 1580-1780
This course concerns itself with painting, sculpture, architecture, and the minor arts of Europe of the periods commonly known as the Baroque and Rococo.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 308VLWI: European Art: 1780 - 1880
This course concerns itself with painting, sculpture, architecture, and the minor arts of Europe of that period between Neo-Classicism and the end of Impressionism.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 309: Art Since 1950
This course investigates the painting, sculpture and new art forms created in the later 20th century. Major aesthetic issues, art movements, and the primary artists involved will be studied in their historical and cultural context.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 311: English Cathedrals
England has twenty-six cathedrals, thirteen of which are considered world class architectural structures and the supreme expression of early English architecture. These Anglican structures, dating from monastic foundations in the early middle ages, reveal within their individual forms great divergencies of style. These stylistic variations stem from many sources and span many centuries. This course will investigate the most important events that both created an environment in which the great cathedrals were built and those that brought about the many artistic changes and divergencies in the structures themselves. Four of the most important of these events which will be examined are: the conversion of England to Christianity in the sixth century as a result of the missionary efforts supported by Pope Gregory the Great; the development of the great monasteries in England and the founding of the great bishoprics; the 1066 victory of Duke William the Norman at the Battle of Hastings; and finally, the rapidly spreading influence of the French Gothic style throughout the continent and England. The course will examine how the development of these great religious structures in England was dramatically and finally affected by the Dissolution of the Monasteries in 1539, bringing to a close the era of the great medieval cathedrals in England.
Prerequisites: ARH124 or permission of instructor.

ARH 318CTVL: Picturing Gender
This course investigates the role of art in shaping a culture's understanding of gender. Drawing upon themes from a variety of historical eras from the ancient world through the 19th century in Europe and the United States, it explores how art both reflects and moulds the understanding of gender roles as they are played out across the lifespan as well as range of sexual orientations. Topics pertaining to gender such as social class, power, spirituality, sexuality, work leisure, family life and age will be addressed.
Prerequisites: Take at least one of the following courses: ARH 24/124 or ARH 25/125 or ARH 26/126 or permission of the instructor.

ARH 319: Arts of the Islamic World
The aim of this course is to cultivate an appreciation of the Islamic faith and culture as expressed through the visual arts and architecture from the seventh through the seventeenth century. In addition to examining the major religious monuments of the Middle East, Asia, Europe, and Africa, we will also explore secular works from both the royal and court context and the context of everyday life, such as manuscript illumination and calligraphy, metalwork, ceramics, textiles, ivories and glass. Throughout this course, we will also consider Islam as "the other," examining the ways in which western artists, historians and travelers have interpreted Islamic art and culture.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 321CTWI: The History of Photography
This course investigates the development of photography from its inception (c. 1839) to the present. During the semester students will examine the primary photographers, techniques and aesthetic issues addressed over the last 160 years. These aspects of photography will not be viewed in isolation, but within their historical and cultural context.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 322: Visualizing Food and Empire
This course will survey the visual representations of food from a global perspective beginning with ancient cultures through the contemporary period. Food appears as a lens for understanding the formation of a modern world system including the rise of empires and a global marketplace, but also grounds us in local traditions and identities according to the environment and belief systems. This course considers the origins, influences, theories, processes, and manifestations of art connected with food, either conceptually or materialistically. In addition, this course offers a deeper understanding regarding the construction of appetites, gastronomy, consumption, and presentation in the visual and performing arts.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 324CDWI: Contemporary African-American Art
This course investigates the history of Africa –American art from the Harlem Renaissance to present day.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 325CDVL: Contemporary African Art and the Diaspora
This course investigates contemporary art in Africa and the Diaspora. Major artistic trends from the colonial era to the present day will be explored. Emphasis will be placed on, but not limited to, the media of painting, sculpture, photography, printmaking, collage, video, and installation as practiced by African artists. Formal developments in these media will be situated within cultural, social, economic, political, and philosophic contexts, affording a multifaceted study of contemporary art by artists of African descent.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 326: Latin American and Caribbean Art
This course will survey Latin American and Caribbean Art from the colonial period to the contemporary. The course will consider the politics of representation within art, visual and material culture and incorporate themes of conquest and colonialism, nationalism, avant-garde movements, modernisms, and contemporary movements.
This course looks at the development of race, class, and gender, vis-à-vis visual images, film, and new media.

ARH 334VLWI: American Art
Aesthetic expressions in architecture, painting, sculpture, interior design, industrial arts, and crafts as experiences of the artist in each major period of American life, to the Armory Show.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 338CTWI: European Modernism: 1880 - 1940
This course investigates the painting, sculpture and architecture created in Europe in the era of early Modernism. Major aesthetic issues, art movements, and the primary artists involved will be studied in relation to their historical and cultural context.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 339: Independent Studies in the History of Art
A course for the student who desires personal and professional guidance in studying precisely defined topics in the history of art. Repeatable up to 12 s.h.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 340: Pompeii and Ravenna: Bookends of the Roman Empire
The course will investigate the art and culture of two of the ancient provincial Roman cities, Pompeii and Ravenna. Each of these sites is exceptionally rich in preserved remains and thus, each one offers a lens through which students will consider art and life at the beginning and end of the Roman Empire, respectively. Throughout the course, comparison and reference will be made first to Rome then to Constantinople, in order to consider artistic and cultural developments as they relate to trends seen in and emanating from the capital city. Emphasis will be placed on wall paintings, mosaics, and the arts, social rituals and material culture of urban daily life in the Roman Empire.
Prerequisites: Art History Survey (ARH 026 or 126) or History of Civilization A (HIS 014).
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 345: Crosscurrents in Italian and Northern Renaissance Art
This course will deal with the interchange of ideas and techniques between countries south and north of the Alps during the Renaissance. It is designed to show how, in painting and printmaking, the development of visual cultures in Italy, the Low Countries and Germany was intimately connected. The material discussed will range from technical to contextual.
Prerequisites: ARH 025, ARH 125 or permission of instructor.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 350: Baroque Art in Italy, France and Spain between 1590 and 1700
This course will take a critical look and the dynamic and dramatic interplay between social, political, as well as economic institutions that contributed to the innovations in the painting, sculpture and architecture of Italy, France and Spain between 1590 and 1700. In addition to discussing the influence exerted on the period's artistic production by the sixteenth century Counter Reformation, the course will consider the various types of patronage (royal, ecclesiastic, civil) that existed during the period, as well as the role of art theory and collecting. Lectures, implemented through slide lectures, classroom discussion, and readings, will introduce references to allegorical language used by artists of the period, both within the workshop model of artistic production and overarching themes that link their works to larger cultural movements.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 351: Baroque Art in The Dutch Republic, Flanders, and England between 1590 and 1700
This course will take a critical look and the dynamic and dramatic interplay between social, political, as well as economic institutions that contributed to the innovations in the painting, sculpture and architecture outside Italy, with emphasis on the Dutch Republic, Flanders, and England between 1590 and 1700. In addition to discussing the influence exerted on the period's artistic production by the sixteenth century Counter Reformation, the course will cover such issues as patronage, the development of new subjects and allegorical language, as well as the growing numbers of women artists. Lectures, implemented through slide lectures, classroom discussion, and readings, will introduce references to allegorical language used by many seventeenth-century artists.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 364: Art and Sport
This class reconsiders the relationship between art and sport, investigating the various ways athletic competition has been represented throughout the history of art. By examining how artists portray and contest the position of sport in society, students will acquire knowledge of artworks and viewpoints frequently overlooked by art historians. A range of media will be studied to match the various meanings attached to sport across diverse cultures, with athletics providing the conceptual link for critical explorations of art, visual culture, and society.
Prerequisites: Take at least one of the following courses: ARH 24/124 or ARH 25/125 or ARH 26/126 or permission of the instructor.

ARH 365WICT: Cut and Paste: A History of Collage
This course investigates the development of collage and its many variations throughout the twentieth and twenty-first centuries including assemblage, photomontage, décollage, and digital cut and paste.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 370CDWI: Art Today: The Next Decade
The avant-garde is a French term referring to those artists who are, at any time, thought to be the most advanced or at the cutting edge. This course will provide an investigation of the work, theories, attitudes and processes of avant-garde artists working today. It will consider the possible future direction of art through presentations of and dialogue with artists, critics, curators, etc. Through slide presentations, students will see a chronicle of selected artists who have made significant contributions to the contemporary art world. This pool of artists will change with the evolving art scene. Students will also study contemporary art by visiting galleries, museums and, in some cases, artists' studios, and by reading articles in major art periodicals. The students will attend presentations and meet with artists through the New Arts Program and the Visiting Artist Series. They will experience art firsthand by visits to galleries and artists' studios in New York City and/or Baltimore, Philadelphia, Allentown, Reading and Washington, D.C. The proximity of Kutztown to these centers of contemporary art offers opportunities to our students that are unique and unavailable to most university communities.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 380: Seminar in ART History
This course serves as a culmination of undergraduate study of Art History, geared primarily for students enrolled in the B.A. Major program as well as those pursuing a Minor. The seminar consists of readings, discussions, and projects designed to further students' understanding of Art History and its diverse methodologies and practices.
Prerequisites: ARH 24 or 124 and ARH 25 or 125 and ARH 26 or 126 and one 300 level ARH course or permission of the department

ARH 385: Selected Topics in Art History
This course will provide opportunities for students to investigate specialized areas of study as the need or opportunity arises. Topics will cover cultures, periods, critical theory and/or aesthetics that are not offered or are only covered superficially in established art history courses.
Prerequisites: ARH 24 /124 or ARH 25/125 or ARH 26/126

ARH 390: Internship in Art History
This course provides an opportunity for the student to experience practices and modes of inquiry pertaining to art history in a professional setting; experiences not found in the conventional classroom or on-line setting. The student will complete 40 hours per academic credits, up to 3 credits, working in a setting where art historical practices are applied. The settings will vary. Possibilities include museums, galleries, historical societies, archives or others appropriate venue. This course may be repeated.
Prerequisites: ARH 24/124 or ARH 25/125 or ARH 26/126 and at least one 300 level ARH course; or permission of the instructor

ARH 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

Astronomy

AST 16: Core to the Cosmos: Contributions of Women to Astronomy
From the edge of the cosmos to the cores of planets, the scientific discoveries of women shape our understanding of space. Using the perspective of influential women in astronomy, the course explores major astronomical and planetary science discoveries, such as the expansion of the universe, life cycles of stars, formation of the solar system, and the structure of the Earth as well as their role in space exploration and science missions. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts Science majors or count toward major GPA for Physics majors.
Prerequisites: This course does not satisfy major, concomitant, or specialization requirement for Secondary Education and/or Liberal Science majors or count toward major GPA for Physics majors.

AST 20: Introductory Astronomy
This course is a descriptive survey of the heavens, including the constellations and stars, the sun and our planetary system, the celestial sphere, our galaxy, binary and variable stars, nebulae, the elements of astrophysics, cosmogony, the history of astronomy. Weekly laboratory exercises are an integral part of the course. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education Science and/or Liberal Arts Science Majors.

AST 26: Elements of Modern Astronomy
A non-laboratory introductory course of the study of the universe. Special emphasis will be placed on the physical properties of the planets and other members of the solar system, life in the universe, the structure and evolution of stars, and the theories concerning the origin and development of the universe. There are no prerequisites, but this course is not open to students who have taken AST 020-021 or its equivalent. This course does not satisfy the laboratory course requirement for physical sciences under general education.

AST 30QL: Mission To The Planets
More than 50 spacecraft missions have left the Earth's surface in search of answers about the formation of our solar system, our neighboring planets, our moon, and our own planet. These missions illustrate the application of the scientific method in vivid detail as scientists struggled to refine their questions (hypothesis) and obtain the data to test them; then learned to refine the hypothesis and then repeated the process. This course covers the physical, chemical, and geological nature of the planets and their atmospheres; similarities and differences between the Earth and other planets using manned and unmanned space probes and how they have shaped our understanding of the planets. Laboratory experiments illustrate the scientific method and complex decision making required in developing space missions.

AST 40: Honors Astronomy; The History of Astronomical Disc
This course will investigate the significant early astronomical observations, measurements and discoveries which are the foundation of our knowledge of the Universe. During this course each student will, either individually or in small groups, investigate the work of astronomers who have made a contribution to our understanding of the nature of the Universe. During the laboratory portion of this course the student or group will, with the aid of the instructor, devise a method to duplicate the original observation or measurement and lead the class through a "rediscovery" of the nature of our Universe. This may require considerable time spent outside of the regular class time. It will also require the students to become familiar with the use of basic astronomical instruments and observational techniques. They will become proficient with the use of the telescope and collecting telescopic data.
Prerequisites: Student must be a member of Honors program

AST 42: Stars, Galaxies, and Black Holes
This course is a descriptive study of stars, galaxies, and black holes. Included in this course are an introduction to the observation and analysis of starlight and an introduction to orbital mechanics and gravity. Stellar evolution is covered in detail, as are the classification of galaxies and the observation and characterization of black holes. A selected series of lectures and hands- on projects will be done using the planetarium and the on-campus observatory. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts Science majors nor count toward major GPA for Physics majors.
Prerequisites: AST 42 Does NOT satisfy major, concomitant, or specialization requirements for Sec Ed and/or LAS majors nor count toward the PHY major's GPA

AST 140QL: Planetary Science
This course provides an introduction to the observational and quantitative techniques used to understand the characteristics, origin, and evolution of our Solar System. Topics include the formation and evolution of planets, asteroids, comets, moons, and rings. In laboratory exercises, students will use data from NASA and other missions to explore the dynamic evolution of our Solar System.
Prerequisites: MAT 105 or MAT 115, with a co-requisite of PHY 40 or 100.

AST 142: Stellar & Galactic Astronomy
This course is a survey of stars and stellar systems including the sun as a star, stellar properties and distances, binary stars, variable stars, star clusters, stellar evolution, galaxies and the universe. Some concepts of astrophysics, radio astronomy and cosmology are introduced. There will be several planetarium and telescopic observation sessions. Actual data acquired at national and local observatories, including the Kutztown University Observatory, will be incorporated into laboratory exercises.
Prerequisites: PHY 40 or PHY 100 or permission of the instructor.

AST 205: Planetary Surface Processes
This course examines the physics of processes that break solid rock into transportable materials and the physical and chemical mechanisms behind the movement and deposition of that material on planetary surfaces. Using quantitative analysis, laboratory, remote sensing, field experiments, and qualitative assessment, this course links the physical and chemical weathering of planetary surfaces, including the fundamentals of fluid flow, sediment transport, erosion, and deposition to processes ranging from microscopic to mountain building. A laboratory course, planetary surface processes focuses on collecting and using actual data sets and applying them to the sedimentary, tectonic, and atmospheric history of a planet.
Prerequisites: GEL 100 or PHY 100

AST 240: The Planetarium
This course introduces students to the planetarium, its operation, and its maintenance. The student will learn the operation of the digital planetarium projection system and the computer scripting program used to create planetarium presentations. Also covered in this course are methods of digital image, video, and audio manipulation.
Prerequisites: AST 142-143 or Permission of the Instructor

AST 242: Exoplanets
This course is a survey of exoplanets, planetary systems, and the solar system as a planetary system. Fundamental concepts in astrophysics concerning the solar system, plan-etary system formation and evolution, and exoplanet detection and characterization are introduced. There will be several planetarium and telescopic observing sessions. Actual data acquired at national and local observatories, including the Kutztown University Ob-servatory, will be incorporated into laboratory exercises, as will the professional reduction, analysis, and communication of astronomical data. Participants in the course may have the opportunity to contribute to the discovery and/or characterization of new exoplanets.
Prerequisites: AST 142, or permission of the instructor

AST 340: Introduction to Astrophysics
This course is concerned primarily with a study of the physical processes taking place in stars and nebulae and with methods of interpreting the spectra of these objects. Among the topics discussed will be the radiation laws, atomic spectra, ionization and excitation laws, classification of stellar spectra, model stellar atmospheres, structure and evolution of stars and cosmic radio waves.
Prerequisites: AST 142 - AST 143, PHY 100 - PHY 101, PHY 102 - PHY 103, and MAT 273 or MAT 274.

AST 342: Astrophysics
This course explores the physics of astronomical phenomena, from processes within our Solar System to the creation and evolution of stars, galaxies, and the Universe. The course is designed for physics majors and other science majors with strong interest in astronomy, physics, and mathematics. This course takes a mathematically rigorous approach of applying basic principles of physics to astronomy, and therefore also provides a foundation for more advanced (undergraduate and graduate level) coursework in astrophysics.
Prerequisites: PHY 212 and MAT 182

AST 350: Practical Astronomy
This course is concerned with a study of the techniques required in making and reducing astronomical observations. The positional aspects of astronomy will be covered in detail. This course will also focus attention on methods modern data collection, reduction, and analysis using CCD detector systems, and on the various types of telescopes. The students will be required to carry out observing projects using the Kutztown University's on0campus telescope and the remote robotic telescopes located in New Mexico and South Australia.
Prerequisites: PHY 102, AST 142 and MAT 182

AST 370: Research in Astronomy
This course will involve an individual research program on a specialized topic in astronomy and will require either library research, observational work using Kutztown University's on- campus telescopes and/or remote robotic telescopes, computer simulations, the planetarium, or a combination of these. The results of such work might be published. This course may be repeated for credit.
Prerequisites: Requires instructor consent.

AST 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

Biology

BIO 10: Introduction to Biology
This course is designed to provide students with an introduction to basic concepts within biology to enable them to critically evaluate biological information related to issues that will impact their lives and many facets of our society. Basic concepts related to the areas of health, biotechnology, genetics, biodiversity, the environment, ethics, and evolution will be covered. This course is designed to provide students with hands-on experience examining biological systems, with an emphasis on the processes of scientific inquiry and the analysis of relevant data. This is a lecture/laboratory course intended for the general education of non-science majors, and is not applicable to biology major programs.

BIO 12: Introduction to Biology: Human Biology
This course is designed to provide the student with an introduction to organ systems and basic concepts within human biology to enable them to critically evaluate biological information related to issues that will impact their lives and many facets of our society. Basic concepts related to areas of health and disease, biotechnology, genetics and inheritance, bioethics, anatomy, physiology, behavior, and evolution will be covered. This course is designed to provide students with hands-on experience examining human biological systems, with an emphasis on the processes of scientific inquiry and the analysis of relevant data. This is a lecture/laboratory course intended for the general education of non-science majors, and is not applicable to biology major programs.

BIO 21: Kitchen and Backyard Biology
Biology is the science of life. It affects all of us in a plethora of ways each and every day. Informed decisions about the food we eat, the medical treatments we are offered, the health and safety of our local environment, how genetic information passes from one generation to the next, and many other concerns require a fundamental understanding of biology. This course will provide non-major students with a foundation in biological concepts to enable them to evaluate the biological information related to their everyday lives. In addition, students will consider the ethical implications that come with some of the innovations in biotechnology. This course involves hands-on experiences, with an emphasis on the processes of scientific inquiry and the analysis and interpretation of biological data. The lab portion of the course will require some basic lab materials available at a local grocery store. It will also require students to venture out into their local environment in order to observe and collect data. This lecture/laboratory course is intended to be offered in an online format for the general education of non-science majors, and is not applicable to biology major programs.

BIO 50: Window to the Oceans
This is a course in marine biology designed for the non-science major. Students will be introduced to the major groups of marine organisms, diverse coastal habitats, adaptations and distribution of organisms within marine habitats, and the potential for human impact on marine organisms and the environment. Current discoveries and "hot topics" within the field of marine biology will also be discussed. Laboratory work will include hands-on experience with sampling methods and equipment from both shore-based and boat-based platforms, general identification of marine plants and animals, and first-hand observation of different coastal habitats, their residents and unique adaptations. This course will be taught at the Marine Science Consortium in Wallops Island, VA. (3 s.h., 4 c.h.; this course is also offered with the MAR prefix.)

BIO 60: Introduction to Ecology
Ecology is the scientific study of the interactions among living organisms, and between organisms and their environments. Students will explore basic ecological patterns and processes that affect populations, communities, and ecosystems, and apply the principles of ecology to understanding selected global and local environmental problems. Laboratory and field sessions will emphasize scientific inquiry as well as ecological principles and techniques. This course will provide a viable option for non-science majors to explore their interest in ecology, while fulfilling their general education biology lab science requirement.

BIO 104: Principles of Biology
This course provides students with an introduction to the biological principles and functional aspects of biology that will serve as a foundation for understanding the biology of plants and animals. The concepts covered in this course include the scientific method, cellular structures and processes, genetics, evolution, and biodiversity. This class meets for three hours of lecture and three hours of laboratory per week.
Prerequisites: Registration Restriction- Science majors/minors and some Secondary Education major. If you believe you should be able to take this course as a requirement, please contact the department.

BIO 106: Introduction to Zoology
This course contains an introduction to the principles of zoology. It places emphasis on the topics of evolution, ecology, animal diversity and comparative characteristics of selected phyla in the kingdoms Protista and Animalia. There are three hours of lecture and three hours of laboratory per week.
Prerequisites: BIO 104 with a grade of "C" or better.

BIO 108: Introduction to Botany
This course is an introduction to the concepts of botany. Emphasis is placed on structure, function, plant diversity, and plant ecology. Topics include plant cellular structure, anatomy and morphology of stems, roots and leaves, transport processes, photosynthesis and respiration, plant growth and development, plant biotechnology, plant diversity, economic botany, and plant ecology. There are three hours of lecture and three hours of laboratory per week.
Prerequisites: BIO 104 with a grade of "C" or better.

BIO 111: Forensic Biology
This course is an introduction to the basic methodology and theory of forensic science focusing on techniques currently used by practitioners to recover, preserve, and analyze biological evidence from a crime scene. The course will examine the ethics of handling evidence, issues of quality control, and the interpretation of various types of biological evidence for the legal system. Students will learn, through the examination of relevant case studies, the value of evidence based on microbiological and molecular analyses (DNA profiling), anatomic and clinical pathologies, and the role of plant and animal materials in forensic studies. This course does not count as biology with a lab and is not applicable for science majors.
Prerequisites: BIO 10

BIO 120: Anatomy and Physiology I
A systematic approach to the integrated study of human structure and function. Emphasis is placed on organization of the body, cells and tissues, integumentary system, skeletal system, muscular system, nervous system and special senses. This course is recommended for nursing and allied health students. Three hours of lecture and two hours of laboratory per week.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 122: Anatomy and Physiology II
A continuation of Anatomy and Physiology I. A systematic approach to the integrated study of human structure and function. Emphasis is placed on the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. This course is recommended for nursing and allied health students. Three hours of lecture and two hours of laboratory per week.
Prerequisites: BIO 120/121 or permission of the department chairperson.

BIO 125: Exploring Biodiversity
This course provides students with a theoretical and experiential overview of biological diversity. Topical themes of this course include the human connections to biodiversity, benefits of biodiversity, spatial patterns and biological scales of biodiversity, historic and contemporary threats to biodiversity, local to global trends of extinction and endangerment, data collection and analysis techniques, and site-specific management practices to conserve or restore biodiversity. In addition, students will be asked to consider and devise solutions to conservation issues within a sociopolitical context. This lecture course will have an extensive field-based (outdoor) component. Field trips will be conducted during lecture time and on weekends. This face-to-face course is intended for the general education of non-majors and is not applicable to biology major programs or biology major GPA accounting.

BIO 130: Environmental Issues: Global Perspectives
An exploration of human interactions with other organisms and the environment on a global scale. Major topics will include: human impacts on ecosystems, biodiversity loss, human population dynamics, food security, natural resources, climate change, and environmental deterioration. The paradigm for the course is the integration of science, technology, and society. This is a lecture course that is intended for the general education of non-science majors, and is not applicable to biology major programs.

BIO 140: Biology and Society
The application of the principles of biology to the human as a social organism. The relevant biological aspects of genetics, behavior, anatomy, physiology, and disease in the context of today's world will be stressed. The paradigm for the course is the integration of science, technology, and society.
Prerequisites: BIO 010/011 or BIO 12 or BIO 104/105; or permission of the instructor (B.S. Biology: Env Sci; Mar Sci; Physics, Geology, Biochem, and Chemistry cannot use towards major but can take course.)

BIO 146: Basic Nutrition and Diet Therapy
Introduction to nutrients, vitamins, and minerals. Normal metabolism of each is traced from ingestion through elimination. Modifications in food consistency and in dietary content to maintain and restore health or control disease processes are identified. Relation of food intake and laboratory studies is also included. (Not applicable to biology major programs.)

BIO 160: Introduction to Microbiology
A general introductory study of microorganisms with special emphasis on human microflora and disease. Laboratory studies include methods of culturing and identifying representative forms.
Prerequisites: PLEASE READ: BS Biology, Environmental Science/Biology, Marine Science/Biology majors cannot use this towards their major requirements but may take the course.

BIO 216QL: Genetics
This is a sophomore-level introduction to the principles of heredity intended to serve as a gateway to more advanced work in molecular, cellular, and evolutionary biology. Topics include classic Mendelian genetics, gene interactions, genetic recombination, chromosome structure mapping, DNA structure and replication, mechanisms of gene expression, genetics of bacteria and viruses, gene and chromosome mutations, inheritance of extra-nuclear genes, and evolutionary genetics. There are two hours of lecture and three hours of laboratory per week.
Prerequisites: BIO 104; BIO 106 or 108; and MAT 105 (or higher); or permission of the instructor.

BIO 218: Vertebrate Biology
An introduction to the biology of vertebrates that explores evolutionary relationships, morphology and physiology, behavior and ecology, systematic and taxonomy. The laboratory examines vertebrate morphology and taxonomy through specimen review, dissection, and field trips. Field trips will be conducted during lab time and on weekends.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 220: Plant Anatomy
A descriptive study of the anatomy of seed plants. Morphological aspects, detailed ontogeny, and the relation between structures and function are utilized to enhance the understanding of plant structures and their variabilities.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

BIO 222WI: Environmental Biology
An introduction to the causes and symptoms of environmental deterioration. The effect of ecological perturbations on ecosystems especially the biota. Field experiences are an integral part of the course.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

BIO 224: Applied Environmental Microbiology
This is an introductory microbiology course emphasizing prokaryotic functional anatomy, metabolism, and genetics. Principles of diseases and a basic introduction to immunology are included which provide a background for an overview of a variety of common diseases. Applied and environmental aspects of food, soil, and water microbiology are stressed in both the lecture and the laboratory. The laboratory is an integral portion of the course and emphasizes laboratory techniques, physiological testing, food and water analysis, and identification of unknowns.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 226CTWI: Marine Biology
A study of the major groups of marine organisms, their adaptations and distribution within the marine environment. Laboratory work will include methods of sampling, identification, experimental manipulations, and a weekend field trip.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

BIO 230: Taxonomy of Vascular Plants
This course covers the distinguishing features and economic importance of the principle groups of vascular plants. It also covers terminology associated with systematic botany, the historical development of systematic botany including different systems of plant classification, and provides students with practical experience in the identification of selected vascular plants of the region. Each student is required to preserve, mount, and identify a collection of plants. Some of the required field trips may require additional out-of-class time. A one day or overnight weekend field trip may be required in this class.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

BIO 232: Plant Physiology
Introduction to physiological activities in plants, including water relations and solute absorption, translocation, growth and development. Laboratory experiments are designed to demonstrate physiological activities in plants and introduce basic techniques used in plant physiological research.
Prerequisites: Take BIO 104 with a grade of "C" or better, BIO 108, CHM 100, and CHM 102.

BIO 235: General Physiology
This course provides an integrated study of struch1re and function within the Animal Kingdom. Comparisons will examine differences in structure and regulation with consideration for cellular and molecular physiology, but with an emphasis on the integration of physiological systems at the level of tissues, organs, and whole organisms. Major body systems including muscular, nervous, endocrine, urinary, cardiovascular, respiratory, digestive, and reproductive will be examined under normal conditions, and in response to stressors and disease to understand function and regulation in the pursuit of homeostasis.
Prerequisites: Requires BIO 104, BIO 106 and CHM 102, or permission of the instructor.
NOTE: Students who have taken BIO 228 or BIO 300 may not take this course.

BIO 236: Introduction to Plant Pathology
A study of plant diseases incited by bacteria, viruses, and fungi are considered in lectures, laboratory exercises, and field trips. Special emphasis is placed on descriptions, diagnosis and controls of the more important plant pathogens.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

BIO 242: Ecosystem Ecology
Principles and concepts pertaining to the ecosystem. Introduction to local terrestrial and aquatic habits. Consideration will include pertinent problems of wildlife management and conservation. Each student is required to participate in field trips and to complete a paper on some aspect of the field study.
Prerequisites: BIO 104 with a grade of "C" and BIO 106 or BIO 108 or permission of the instructor.

BIO 244: Ecology
This course provides an introduction to important general concepts in ecology and to the empirical methods ecologists use to study the interactions between organisms and both living and non-living components of the environment. This course involves evaluating ecological processes that influence individuals, populations, communities, and ecosystems. Ecological concepts will be introduced primarily through study of organisms living in terrestrial and freshwater environments. The laboratory portion of the course will introduce students to collection and analysis of quantitative data obtained through empirical methods. A one day or overnight weekend field trip may be required in this class.
Prerequisites: BIO 104 with a grade of "C" and BIO 106 or BIO 108 or permission of the instructor.

BIO 250: Microtechnique
Principles of microscopy, methods of preparing animal and plant materials for microscopic examination, and the interpretation of microscopic preparations are considered. Studies and practical experiences including preparing whole mounts, clearing, sectioning, differential staining, and microphotography.
Prerequisites: BIO 104

BIO 252: Cellular Physiology and Metabolism
This course examines how living things function at the cellular and molecular level, particularly how organisms obtain and utilize energy to sustain themselves. Emphasis will be placed on the structure and metabolism of carbohydrates, lipids, and nitrogen-containing biomolecules, such as proteins, amino acids, nucleic acids and nucleotides. Energy transducing cellular processes, such as glycolysis, the citric acid cycle, electron transport system, oxidative phosphorylation, gluconeogenesis, and the pentose phosphate pathway, will be covered in detail. The interrelationships of the metabolism of carbohydrates, lipids, proteins, amino acids, and other nitrogen-containing biomolecules will be emphasized.
Prerequisites: Take BIO 104 with a grade of "C" or better; BIO 106 or BIO 108; and CHM 214; or permission of the instructor.

BIO 260: Marine Invertebrates
A study of the life history, habits, origin, development, physiology, anatomy and taxonomy of the main phyla of invertebrates. A phylogenetic sequence is followed to show interrelationships among the phyla. Special emphasis is given to the Atlantic marine invertebrates. Laboratory and field work deal with collection, preservation, and identification of local species.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 264: Comparative Anatomy of the Vertebrates
A comparative study of the diversity of morphological structures and organ systems in the major groups of vertebrates. Lecture emphasis is placed on vertebrate phylogeny, morphology, and evolution with respect to function. The laboratory involves an in-depth examination of the comparative morphology of the dogfish shark and domestic cat.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 270CTWI: Research Methods
This course provides students with the foundation to conduct biological research. The course covers grant and research proposal writing, conducting primary literature searches, critiques of journal articles, research design and execution, data analysis, oral and poster research presentations, and scientific writing skills.
Prerequisites: BIO 104 with a grade of "C" and BIO 106 or BIO 108 or permission of the instructor.

BIO 299: HON: Current Topics/AIDS Research
HON: Current Topics/AIDS Research.

BIO 302: Entomology
The biology of insects with emphasis on morphology, systematics and environmental relationships. Laboratory studies and a required insect collection are an integral part of the course.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 306: Food Microbiology
A study of microorganisms commonly encountered in food systems including pathogens, spoilage organisms, and fermentation organisms. Laboratory studies include methods of isolating, culturing, enumerating, and identifying representative forms together with methods of sampling, fermentation, and microbial destruction.
Prerequisites: BIO 224/225.

BIO 308: Ornithology
An introduction to the biology of bird that explores the origin and evolution of birds, flight, the annual cycle of birds (e.g. migration, breeding, molt), reproductive systems, and conservation. The laboratory examines bird morphology and taxonomy, focusing on birds in the Eastern U.S., through specimen review, dissection, and field trips. Field trips will be conducted during scheduled lab time and on weekends.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 314: Animal Behavior
A biological approach to the study of behavior emphasizing the neural mechanisms, ecology, and evolutionary history of a wide variety of behaviors of both invertebrates and vertebrates. The major topics covered include the structure and function of nerve cells and nerve circuits, comparative sensory physiology, orientation and navigation, feeding, animal communication, learning, and social behavior. The laboratory section of the course includes observational and experimental work in both lab and field.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 316: Invertebrate Biology
The biology of freshwater, terrestrial and parasitic invertebrates. Emphasis is placed on anatomy, physiology, taxonomy, environmental relationships and importance to humans. Laboratory work is supplemented by local field trips.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 320WI: Physiological Ecology of Animals
This course will provide an introduction to the physiology of animals utilizing a comparative and ecological approach. The course will cover the topics of respiration, circulation, metabolism, osmoregulation, thermoregulation, locomotion, and sensory systems in the context of comparing the mechanisms and strategies utilized by animals from different habitats and phylogenetic groups. Some emphasis will be placed on organisms occupying various marine habitats, but freshwater and terrestrial animals and habitats will also be included. Laboratory investigations will examine the physiological responses of both invertebrates and vertebrates to common environmental stresses such as salt load, temperature variation, oxygen supply, and pH change. These investigations may be accomplished through measurements and observations in the field, as well as through experimental manipulations in a laboratory setting.
Prerequisites: BIO 106 and CHM 214

BIO 322: Population and Community Ecology
This course will provide an in-depth analysis of the principles of population and community ecology. This includes population growth, dispersal, population regulation, population structure and will also include community dynamic topics such as predator-prey interactions, competition, succession, community assembly, habitat selection, and species diversity. The aforementioned patterns and processes will be considered in terms of space and time across multiple scales. The laboratory portion of the course will introduce students to the collection and analysis of quantitative data obtained through empirical methods and modeling experiment. A daylong or overnight weekend field trip may be required in this class.
Prerequisites: BIO 104 with a grade of "C" and BIO 106 or BIO 108 or permission of the instructor.

BIO 324: Plant Ecology
This course provides an introduction to plant population, physiology, and community ecology. Lectures, labs, readings, and discussions will focus on plant responses at the physiological, individual, population, and community levels to components of the living and non-living environment. The course will examine topics including plant physiological, anatomical, and reproductive responses to the physical environment, responses to intra- and interspecific competition, a survey of symbiotic relationships, and an introduction to plant conservation biology. Historic and contemporary perspectives in plant community ecology will be examined. Laboratory exercises will be field-oriented and experimental. A one day or overnight weekend field trip may be required in this class.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

BIO 326: Marine Ecology
A study of the ecology of marine organisms, the relationships of plants and animals to the physical, chemical and biological factors and their zonation and community structure. Analysis of current issues in marine ecology will also be addressed. Laboratories will include classroom investigations of population and community relationships and a MANDATORY weekend field trip to Wallops Island, VA.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

BIO 330: Histology
The microscopic study of cells, tissues and organ systems of the vertebrates. Laboratory will consist of microscopic study of prepared tissue sections.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 332WI: Aquatic Ecology
This course is designed to provide an understanding of the physical, chemical, and biological properties of freshwater ecosystems and the techniques by which scientists study those ecosystems, through a combination of lectures and lab and field exercises. Students will be required to design, conduct, and present the results of a field-based research project. The course may include an overnight weekend field trip during which students may investigate diurnal patterns in lake and/or stream systems.
Prerequisites: BIO 104, BIO 106, & BIO 108 or permission of the dept.

BIO 334: Medical Parasitology
The biology of parasitic protozoa, flatworms, roundworms, and arthropods of medical importance will be emphasized. The laboratory will focus on recognition and identification of selected local human parasites and those of extreme importance throughout the world.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 336: Medical Microbiology
An introduction to the concepts and clinical applications of immunology, medical bacteriology, medical mycology, medical virology, and medical parasitology. Emphasis is placed on structure, function and identification of pathogens. Emphasis is also placed on immunology mechanisms and diseases.
Prerequisites: Take BIO 104 with a grade of "C" or better and BIO 224; or permission of the instructor.

BIO 338: Ecology of Marine Plankton
A study of the phytoplankton and zooplankton in marine and brackish environments. Qualitative and quantitative comparisons will be made between the planktonic population of various types of habitats in relation to primary and secondary productivity. This course will be offered summers at the Marine Science Consortium, Wallops Island, Virginia.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 340: Marine Mammals
The distribution, population size, physiology, evolution, adaptations and ecological relationships of marine mammals will be studied with an emphasis on mammals of the Atlantic Ocean. This course will stress hands-on understanding of marine mammal physiology, behavior, population dynamics and species diversity. Laboratory and field work will include an extended off-campus field trip to facilities holding and/or studying marine mammals of the NE Atlantic Ocean. In addition, the laboratory portion of this course will emphasize data collection in the field, and subsequent analysis and presentation of the data through a required mini-research project.
Prerequisites: Five courses in biology at the 100-level or above excluding BIO 130 and BIO 140; and at least junior class standing prior to the start of the course or permission of the instructor.

BIO 342: Herpetology
This course will provide an introduction to the biology of reptiles and amphibians. Emphasis is on evolution, comparative anatomy and physiology, ecology, life-history, diversity, and conservation of these groups. Laboratories will provide hands-on investigation of reptile and amphibian anatomy, research techniques, habitat quality, subspecies identification. Weekend field trips may be required in the course.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 344: Marine Botany
A study of marine and marine fringe plants of the Middle Atlantic Coast, their taxonomy, ecology, distribution, life histories, physiology, and economic status. Techniques of collecting, preserving, identifying and herbarium cataloging will be stressed. Exercises in plant ecology, deep core pollen analysis and marine microbiology will be included. (Same as MAR 342: Marine Botany at Consortium, Wallops Island, Virginia.)
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

BIO 346: Molecular Biology
A study of the metabolism of the cell, detailing the biosynthetic pathways in regards to the production, conversion and utilization of energy. Laboratory work covers the use of laboratory equipment to reinforce the theories from lecture and familiarize the student with laboratory techniques.
Prerequisites: Take BIO 104 with a grade of "C" or better; BIO 106; and CHM 214; or permission of the instructor.

BIO 348: Biological Oceanography
The interdisciplinary study of the interactions between biological communities and the ocean environment as observed in the distribution of coastal plankton, fish and benthic invertebrates. Field studies of sample populations will be compared to quantitative environmental variables using state-of-the-art sampling equipment. Topics covered include: the effect of current transport on plankton at barrier island passes, the effect of submarine banks on fish populations, ground truth data for satellite imagery, and epibenthic population studies of nearshore and intertidal environments. This course will be offered summers at the Marine Science Consortium, Wallops Island, Virginia.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

BIO 350: Cell Biology
A comprehensive study of the cell with emphasis on how cell structure (biological molecules, biological membranes, and cellular organelles) relates to overall cell function. The laboratory is designed to investigate basic cell structure and function as well as patterns of cell growth with an emphasis on microscopy and various cell staining techniques. Both plant and mammalian cell systems will be utilized.
Prerequisites: Take BIO 104 with a grade of "C" or better; BIO 106; and BIO 108; CHM 214; or permission of the Instructor.

BIO 352: Coral Reef Ecology
A study of coral reef types and the relationship of reef organisms to their environment. Emphasis is given to species diversity/identification, symbiosis, and effects of abiotic factors, predation, and competition on the abundance and distribution of coral reef organisms. A segment of this course involves on-site study of the biology of tropical reefs/organisms and the accumulation of species populations data usually at Roatan, Bay Islands, Honduras, but other reef locations may be used.
Prerequisites: Four courses at the 100-level or above excluding BIO 130 and BIO 140

BIO 354: Developmental Biology
This course is designed to correlate the major stages of development from the DNA blueprint to an organisms final structure with a focus not only on classical embryology but also on understanding how molecular mechanisms relate to the development of organisms. Students will have the opportunity to discuss current issues in developmental biology including stem cell research and cell cloning. The laboratory will consist of a morphological and molecular study of growth and differentiation of a sea urchin, Drosophila, frog, chick, and human development. In a culminating activity, students will propose and carry out a short project that focuses on the effects of teratogens on development.
Prerequisites: Take BIO 104 with a grade of "C" or better; BIO 106; and CHM 214; or permission of the instructor.

BIO 356: Immunology
This course is designed to provide a current understanding of the development and function of the mammalian immune system with emphasis on cellular interactions within the human immune system. A significant component of the course will be to understand the basis of the immune system disorders. The laboratory work will provide students with an understanding of the theory and practical aspects of clinical testing and research in immunology. The course will build on the knowledge and skills acquired in Microbiology and related courses.
Prerequisites: BIO 224; BIO 346 or BIO 350; or permission of the Instructor.

BIO 357: Virology
This course provides a background in virology. Viruses will be studied across many levels of biological organization, with a special focus on molecular biology, life history strategies, epidemiology and evolution. We will also discuss cases in which viruses are valuable as medical treatments and model systems for molecular biology. Lab work will include phenotypic characterization of bacteriophages, as well as a case study on infectious disease epidemiology.
Prerequisites: BIO 224 and BIO 216 or BIO 346 or permission of the instructor

BIO 358: Conservation Biology
This course provides students with the scientific foundation needed to understand and apply the principles of conservation biology to contemporary conservation issues. Topical themes of this course include patterns of biodiversity, human threats to biodiversity, extinction trends, and biological protection and restoration strategies. In addition, students will be asked to consider and devise solutions to theoretical conservation issues within a sociopolitical context. Field trips will be conducted during lab time and on weekends.
Prerequisites: BIO 104 and BIO 106 or BIO 108 or Permission of the Instructor

BIO 360: Anatomy of Marine Chordates
A course designed to familiarize the students with the qualitative aspects of the speciation process; to lay the groundwork for understanding the basic and specialized structure of marine chordates; to trace the most obvious or important trends (and their functional significance) in the evolution of this basic structure in various vertebrate lines. The laboratories will be devoted in large part to a reasonably thorough dissection of representative marine vertebrates.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

BIO 370: Research in Biology
A course in laboratory and/or field study and library research on selected topics in Biology. A written proposal outlining the research project must be prepared utilizing established guidelines and submitted to the supervising faculty member and the Department Chairperson for approval.
Prerequisites: Minimum of 18 SH of BIO, GPA of 2.50 or higher, Junior or Senior Standing, and approval of the Biology department.

BIO 371: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 372: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 373: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 374: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 375: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 376: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 377: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 378: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 379: Selected Topics in Biology
Topics in the fields of biology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.

BIO 380: Senior Seminar in Biology
This course is designed to provide a forum in which B.S. Biology majors may critically evaluate current trends and concepts in the biological sciences through the venue of student prepared seminars and term papers. It will also serve as a forum through which career opportunities for biologists are discussed. Prerequisites: Senior standing, restricted to the 4 tracks of the BS Biology major or BSED Biology, or permission of the department chair.

BIO 385: Research In Biology II
A course in laboratory and/or field study and library research on selected topics in Biology. A written proposal outlining the research project must be prepared utilizing established guidelines and submitted to the supervising faculty member and the Department Chairperson for approval.
Prerequisites: Take BIO 370 with a grade of "B" or better.

BIO 390: Internship in Biology
Supervised, practical work experience in laboratory and/or field situations. Students interested in developing an individualized professionally oriented program which that assist in future career options may structure a work-study experience with a cooperating agency or organization. A written proposal outlining the internship experience must be prepared utilizing established guidelines and submitted to the supervising faculty member and the Department Chairperson. Departmental approval of the internship is required. This course is repeatable for credit (1-6) credits per semester) but cannot be taken for more than a maximum total of 6 credits.
Prerequisites: Minimum of 8 SH of Biology, (not including courses with a "D" or "F"), Cumulative GPA of 2.0 overall and in major, and approval of the dept.

BIO 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

BIO 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

BIO 435: Advanced Genetics
Current knowledge of the nature, properties, transmission, interaction and variation of hereditary materials, and their significance for the development, expression and evolution of the characteristics of organisms.
Prerequisites: BIO 216 & BIO 217

BIO 440: Evolution
This course examines the theory of evolution by natural selection and its implications for the evolution of organisms. The course covers the history of Darwin’s theory as well as modern formulations that incorporate current knowledge in genetics, molecular biology, population biology, paleontology, biogeography, and systematics. Other topics include the evolution of sexual reproduction, the evolution of behavior, the mechanisms of speciation, the main events in the history of life, and applications of evolutionary biology in agriculture and medicine.
Prerequisites: BIO 216

BIO 457: Systematic Entomology
Taxonomic characteristics of important insect families especially those of the major orders. Emphasis will be placed on species of environmental importance and those which illustrate biological concepts. (Not a field course.)
Prerequisites: BIO 302 or Permission of the Department Chair

BIO 460: Cancer Biology
This course is designed to delve deeply into the molecular mechanisms of cancer biology with an emphasis on scientific discovery. Identifying the causes of cancer and the molecular changes associated with cellular transformation are important components of this course. A weekend field trip to our regional cancer center and diagnostic laboratory may be included in this course. The Cancer Biology course will build on the knowledge and skills acquired in Molecular and Cellular Biology.
Prerequisites: BIO 346 and BIO 350; or permission of the instructor.

BIO 470: Selected Topics in Biology
Topics in the field of biology or the work of a biologist that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: BIO 104, BIO 106, & BIO 108 or permission of the dept.

Business

BUS 1: University Studies: The First Year Seminar
University Studies: The First-Year Seminar introduces students to the critical strategies, resources, and responsibilities of a university education. The course employs substantive reading, writing, and critical thinking assignments from across the curriculum, in addition to research and fieldwork, to increase the student's ability to effectively function in the University community. The common course requirements for each UST section are the same, though the specific focus of each individual seminar may differ.

BUS 120: Principles of Business Statistics
This course is an introduction to statistical concepts with emphasis on their role in business decision making. The course will cover the following topics: measures of central tendency, sampling, hypothesis testing, regression and correlation analysis, and probability distributions. BSBA majors only.
Prerequisites: Open to BSBA majors with a minimum grade of "C" in MAT 105 or "C" in MAT 121; or by permission of the department chairperson

BUS 131: Business Law I
This course covers legal principles and the legal environment applicable to transactions in today's business world. Topics covered include the American legal system, alternative dispute resolution, business ethics, torts, contracts, agency, and forms of business organizations.
Prerequisites: Open to BSBA majors (including core) and Business minors, or permission of the department chairperson.

BUS 171CP: Business Information Systems: Theory & Practice
This course provides an introduction to basic information resource management principles as well as hands-on instruction in solving business problems using spreadsheets. Topics include information systems management, networking, databases, and the role and importance of information technology in business. The course has basic to intermediate coverage of spreadsheet software. Classes are conducted in a microcomputer laboratory using a hands-on approach. BSBA majors only.
Prerequisites: Open to BSBA majors (including core) and Business minors, or permission of the department chairperson.

BUS 220: Regression Analysis and Data Analytics
After a brief review of sampling, the course will cover interval estimation and hypothesis testing, including one and two sample tests. Next, topics on simple and multiple linear regression are presented, along with applications and model building. After thorough coverage of regression analysis, nonparametric methods are discussed. Excel (with a statistical add-in such as StatTools) or some other suitable statistics software package, such as Minitab or EViews, will be used in this class.
Prerequisites: BSBA majors with a grade of "C" or better in BUS 120 or MAT 140 or by permission of the department chairperson.

BUS 275: Business Data Management and Information Systems
This course focuses on the use of computer applications to calculate solutions to
complex business problems. This course provides hands-on instruction in solving business problems using spreadsheets and databases. The students will be introduced to databases and advanced features of spreadsheets. Students will also learn about information security, information systems, and computer ethics.
The student will be asked to use the computer and modem information technology to aid in data collection, data analysis, development and presentation of common business solutions. Classes are conducted in a computer lab using a hands-on approach.
Prerequisites: Either (MAT105 or higher with a grade of C or better & IT Concepts & Computer App Assessment with 70 score) OR ((BUS171 or CSC10) with a grade of C or better)

BUS 310: Advanced Business Computer Applications
This course focuses on the use of information technologies as a managerial tool, which facilitates the solution of complex business problems. Throughout the course, the student will be presented with common business situations and asked to use appropriate information technologies to aide in the data collection, data analysis, development and presentation of solutions. The business situations presented will be applicable to all business majors. Though the specific software used may remain flexible, typically the student will be introduced to the advanced features of spreadsheets.
Prerequisites: BUS 275

BUS 332WI: Business Law II
This course is an in-depth study of the law involved in certain commercial transactions with an emphasis upon CPA examination topics not covered in Business Law I. Topics covered include personal property and bailments, real property, intellectual property, contracts for the sale of goods, negotiable instruments, checks and the banking system, secured transactions, bankruptcy, wills, estates, and trusts, and antitrust. This course is recommended for Accounting and Finance majors.
Prerequisites: BUS 131 & Junior Level

BUS 371: Selected Topics in Business
This course will permit the exploration of specialized subjects that are not covered in the regular courses with the BUS prefix. The course will emphasize a variety of current topics and contemporary issues in business which are taking place in a dynamic business environment. Students will review current literature, observe current business practices and improve their ability to analyze and express their thoughts in the topical area of study.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses.

BUS 379: Independent Study
The independent study allows for individualization of the curriculum to meet the specialized needs/interests of students through studies outside of the focus of existing courses. Under the direction of a faculty member, the student will investigate an area of academic interest, to be approved by the department most closely related to the topic of study.

BUS 380: Senior Seminar in Business Administration
Senior Seminar in Business Administration.

BUS 390: Internship in Business
An individual work-study experience will be provided in an approved commercial or institutional organization. This experience will involve placement of a qualified student in an organizational setting which involves his/her area of interest, which provides student training and on-site learning, and which prepares the person for business practice. A student may receive three credit hours of academic credit for an internship which consists of at least 150 hours of internship involvement. Three credits per internship; maximum of two (2) internships. Prerequisites: Completion of 60 credit hours prior to the commencement of the internship; 2.0 GPA in the major and a 2.0 GPA overall; completion of the lower division business core subjects with a 2.0 GPA (ACC 121, ACC 122, ECO 011, ECO 012, BUS 120, BUS 131 and BUS 171); permission of the College of Business Internship Committee.

BUS 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

Chemistry

CHM 20: Introduction to Chemistry
An introduction to the principles of chemistry, including atomic theory, chemical reactions, chemical bonding, kinetic theory, stoichiometry, organic compounds, and nuclear reactions. The traditional topics will be related to contemporary problems. A laboratory course intended for the general education of non-science majors. This course does not satisfy major, concomitant or specialization requirements for Secondary Education Science and/or Liberal Arts Science majors.

CHM 35: Powering Our Future: Energy, Climate Change, & Society
This course introduces our past, present, and future sources of energy and their advantages and limitation. Society's non-sustainable pattern of energy use from both a supply and environmental perspective will be discussed including the impacts of climate change. The technical, environmental, political, and societal problems associated with the eventual conversion to renewable energy resources will be investigated. A global perspective for the delicate interplay between energy and society will be gained. This course does not satisfy major, minor, or specialization requirements for Secondary Education and/or Liberal Arts Science Majors.

CHM 51: Introduction to Forensic Science
This course provides an introduction to the application of science to criminal investigations. It is an opportunity to learn some fundamental scientific principles as they are applied to the examination of physical evidence from crime scenes. Case studies will be presented which reflect the application of particular forensic techniques. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts and Science majors.

CHM 52: Introduction to Forensic Science Laboratory
This laboratory course provides students with hands-on opportunities to analyze materials commonly encountered in criminal investigations. An array of forensic laboratory techniques, including fingerprinting, chromatography, spectroscopy, DNA analysis, and bloodstain pattern analysis will be applied to the comparison or identification of physical evidence. This laboratory course is optional, but must be taken concurrently with CHM 051; and does not satisfy major, concomitant, or specialization requirements for Secondary Education and Science majors. CHM 051 (without the lab) may be used to satisfy General Education Categories IV. D and V. Students opting to take the laboratory portion of the course (CHM 052) could use it to satisfy General Education Categories IV. C or D, and V. (2 c.h., 1 s.h.)

CHM 100: General Chemistry I
First semester (100-101) The Structure and Behavior of Matter. Emphasis is on chemical arithmetic, chemical nomenclature, atomic theory and structure, periodic classification of elements, gas laws, valence, oxidation, reduction and equation writing. Possession of a hand held electronic calculator is required. Second semester (102-103) continues the first; acids, bases, ionization, equilibrium, and rates of reaction are also studied and applied.
Prerequisites: Registration Restriction- Physical Science, Biology and particular Secondary Education majors and/or minors.

CHM 102: General Chemistry II
First semester (100-101) The Structure and Behavior of Matter. Emphasis is on chemical arithmetic, chemical nomenclature, atomic theory and structure, periodic classification of elements, gas laws, valence, oxidation, reduction and equation writing. Possession of a hand held electronic calculator is required. Second semester (102-103) continues the first; acids, bases, ionization, equilibrium, and rates of reaction are also studied and applied.
Prerequisites: CHM 100 or permission of the instructor

CHM 204: Fundamentals of Organic Chemistry
This is a one semester introductory course that covers the fundamental concepts and principles important in understanding the structures of organic compounds and their reactivity. The laboratory portion includes the development of basic laboratory skills necessary to isolate, synthesize and characterize organic compounds and study their behavior. This course will concentrate on the areas of organic chemistry most relevant to biology and environmental science. Not equivalent to CHM214/215 (A course grade of "B" or better will allow this course to be used as a prerequisite for CHM 216/217). Does NOT satisfy course requirements for chemistry or biochemistry major or minor.
Prerequisites: CHM 100/101 and CHM 102/103 or equivalent

CHM 214VL: Organic Chemistry I
Concepts and principles of fundamental group chemistry are used in the study of reactions of organic compounds. Naming, preparation of and properties of compounds are stressed. The correlation of theory is demonstrated as laboratory skills are developed.
Prerequisites: CHM 100/101 and CHM 102/103 or equivalent

CHM 216WI: Organic Chemistry II
Concepts and principles of fundamental group chemistry are used in the study of reactions of organic compounds. Naming, preparation of and properties of compounds are stressed. The correlation of theory is demonstrated as laboratory skills are developed.
Prerequisites: CHM100, 102, 214

CHM 220QLWI: Environmental Analysis
Qualitative and quantitative methods of analytical chemistry are explored by utilizing a “hands-on” approach applied to a variety of environmental samples. The course focuses on the basic components of each analytical technique or instrument, their range of environmental applications, their advantages and limitations, and the physical and chemical phenomena which form the basis of the analytical method. Basic sampling plans and designs are also discussed due to their complementary nature.
Prerequisites: CHM 102

CHM 230QLWI: Analytical Chemistry I
Analytical chemistry involves methods and techniques for determining the structure and composition of matter. Students in Analytical Chemistry I will attack problems of a chemical nature by learning a series of techniques that allow them to identify and quantify various components in samples. Some of the techniques involve chemical fundamentals such as stoichiometry, acid-base equilibria, and careful measurement techniques while others involve sophisticated chemical instrumentation. The lecture portion of the course will uncover the theory underlying these techniques, while the laboratory will provide an opportunity for students to address real-world analytical problems, develop their measurement skills, and gain valuable experience using analytical techniques commonly encountered in research and industry. The methods covered in this class include: gravimetric analysis, volumetric analysis (acid-base titrations), UV/V is spectrophotometry, potentiometry, and gas and liquid chromatography.
Prerequisites: CHM 100 & CHM 102 with a grade of "C" or better

CHM 310: Biochemistry I
Biochemistry involves the study of the chemical components of living creatures-from viruses to mammals-to explain how and why chemical reactions happen. Students will learn in detail the molecular components of cells (proteins, lipids, carbohydrates, and nucleic acids) and study the concepts of protein dynamics (kinetics, specificity, and regulation). The laboratory will cover selected techniques of modern protein biochemistry.
Prerequisites: CHM 214/215 and CHM 216/217 or permission of the Instructor

CHM 312: Biochemistry II
This course covers important topics that are not discussed in the first semester of biochemistry. Students will study details of cellular metabolism and its regulation and learn about the information transfer mechanisms in living cells. The laboratory will include studies of biochemical properties of lipids, carbohydrates, and RNA, and an independent research project.
Prerequisites: CHM310 or BIO346 &350

CHM 314: Physical Chemistry I
A study of the law of thermodynamics and their application to solutions and phase equilibria; chemical kinetics; electrochemistry; and an introduction to quantum chemistry (atomic and molecular structure); and statistical mechanics.
Prerequisites: CHM102, PHY102 & MAT181 or permission of the instructor.

CHM 316: Physical Chemistry II
A study of the law of thermodynamics and their application to solutions and phase equilibria; chemical kinetics; electrochemistry; and an introduction to quantum chemistry (atomic and molecular structure); and statistical mechanics.
Prerequisites: CHM 314 & MAT182 or permission of the instructor.

CHM 318: Advanced Biochemistry
The course is designed to study the various biochemical processes of photosynthetic carbon dioxide fixation in higher plants and in photo-synthesis bacteria. Also included is the effect of changing environmental conditions on photosynthesis.
Prerequisites: CHM 310

CHM 320: Advanced Inorganic Chemistry I
The application of physio-chemical principles to understanding structure and reactivity in main group and transition elements. Valence Bond, Crystal Field, VSEPR, and LCAO-MO will be applied to describe the bonding in coordination compounds. Organometallic and bio-inorganic chemistry will be treated, as will boranes, cluster and ring systems, and inorganic polymers. The laboratory will involve both synthetic and analytic techniques and interpretation of results.
Prerequisites: CHM 100, CHM 102, CHM 214, CHM 216 and CHM 230.

CHM 322: Advanced Inorganic Chemistry II
The application of physio-chemical principles to understanding structure and reactivity in main group and transition elements. Valence Bond, Crystal Field, VSEPR, and LCAO-MO will be applied to describe the bonding in coordination compounds. Organometallic and bio-inorganic chemistry will be treated, as will boranes, cluster and ring systems, and inorganic polymers. The laboratory will involve both synthetic and analytic techniques and interpretation of results.
Prerequisites: CHM 100, CHM 102, CHM 214, CHM 216 and CHM 230.

CHM 326: Advanced Organic Chemistry-Mechanisms
The study of mechanisms of organic reactions is emphasized. Modern theory viewpoints are applied to problems in organic chemistry.
Prerequisites: CHM 214/215 and CHM 216/217 or permission of the Instructor

CHM 336: Advanced Physical Chemistry
A course designed to treat some selected topics in physical chemistry in greater detail than is done in the introductory course.
Prerequisites: CHM 314 and CHM 316

CHM 340: Analytical Chemistry II
Analytical Chemistry II continues to develop students' abilities to determine what components are present in various samples and to what extent. Students build upon the foundation laid in Analytical Chemistry I to master a diverse array of analytical techniques. Detailed investigations of oxidation-reduction and complexation equilibria are applied to volumetric analyses. Instrumental techniques within the areas of Spectroscopy (Infrared, Atomic Absorption and Emission, Mass Spectrometry, and NMR), Chromatography (HPLC, GC/MS, and Ion Chromatography), and Electrochemistry (Potentiometry and Voltammetry) will be highlighted. The lecture explores the theory underlying the techniques, while the laboratory provides students with an opportunity to work with state-of-the-art chemical instrumentation to analyze a wide variety of samples.
Prerequisites: CHM 230/231 or ENV 220/221

CHM 351: Selected Topics in Chemistry
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in chemistry. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 hours credit.

CHM 352: Selected Topics in Chemistry
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in chemistry. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 hours credit.

CHM 353: Selected Topics in Chemistry
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in chemistry. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 hours credit.

CHM 370: Research in Chemistry I
This course involves laboratory and library research on a topic of a chemical nature. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student.

CHM 371: Research in Chemistry II
This course allows a student to continue working on a project which was started in CHM 370 or to investigate a new topic. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student. (The combined credit total toward the major program for CHM 370 and CHM 371 will not exceed 4 semester hours. Any additional credit hours count toward free electives.)
Prerequisites: CHM 370 and the consent of the instructor. (The combined credit total for CHM 370 and CHM 371 may not exceed 4 semester hours.)

CHM 372: Research in Chemistry III
This course allows a student to continue working on a project which was started in CHM 370, CHM 371, or to investigate a new topic. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student. (The combined credit total toward the major program for CHM 370 and CHM 371, and CHM 372 will not exceed 4 semester hours. Any additional credit hours count toward free electives.)
Prerequisites: CHM 371 and consent of instructor

CHM 373: Research in Chemistry IV
This course allows a student to continue working on a project which was started in CHM 370, CHM 371, CHM 372, or to investigate a new topic. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student. (The combined credit total toward the major program for CHM 370 and CHM 371, CHM 372, and CHM373 will not exceed 4 semester hours. Any additional credit hours count toward free electives.)
Prerequisites: CHM 372 and consent of the instructor

CHM 380: Senior Seminar in Chemistry
This course consists of readings and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Chemistry. Required of all Liberal Arts students majoring in chemistry.

CHM 390: Internship in Chemistry
Supervised, practical work experience in laboratory and/or field situations. Students interested in developing an individualized vocationally oriented program which may assist in future career options may structure a work-study experience with the cooperating agency or organization. A proposal outlining the work-study experience should be submitted to the student's supervising faculty member and the department chairperson. Clock hours will be determined by the cooperating agency or organization. Semester hour credit will be based upon the proposal and scheduled clock hours, but a maximum of 4 credits may be applied toward Arts and Sciences electives. Additional credit cannot be applied to the 128 credit hour graduation requirements.

CHM 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CHM 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

Chinese

CHI 101: Elementary Chinese I
This course is an introduction to Mandarin Chinese, its pronunciation, basic grammar and simplified character writing system. In addition, basic aspects of Chinese culture are presented.

CHI 102: Elementary Chinese II
This is a course for beginners to develop basic skills in pronunciation, aural comprehension, speaking, reading and writing to acquire proficiency in communicating within culturally significant contexts. Course materials emphasize cultural and social values which bring the people of China and Chinese world to the forefront.
Prerequisites: CHI 11

CHI 103: Intermediate Chinese III
This second-year course in Standard Mandarin Chinese is a continuation of Chinese 011 and 012. This course will help students build on their base of first-year Chinese to further improve their proficiency in listening, speaking, reading and writing skills in Chinese. Additionally, this course will introduce student to Chinese civilization as the background for their language learning. Taught principally in Chinese.
Prerequisites: CHI 12

CHI 104: Intermediate Chinese IV
This course is designed for students who have successfully completed CHI 103. The course will further improve their proficiency in listening, speaking, reading and writing skills in Chinese. Additionally, this course will introduce student to Chinese civilization as the background for their language learning. Taught principally in Chinese.
Prerequisites: CHI 103

CHI 221: Chinese Culture Through Literature and Film
This course introduces students to Chinese history and culture through literature and film, focusing on the development of modern China in the 19th and 20th centuries. Topics include Confucianism and education, traditional Chinese values, the impact of the West on Chinese society and culture, China's response to Western values, globalization and the emergence of China's modern identity, China's economic growth and its role in international relations. Taught in English.

Cinema Television and Media Production

CTM 10: Introduction to Cinema, Television, and Media
A survey of the historical, technical, economic, regulatory, and social aspects of the electronic media. Traditional broadcast radio and broadcast and cable television systems are considered, as well as satellite, Web, and cellular media delivery. The convergence of mass media technologies and content is given particular consideration. The course also introduces students to electronic media programming, advertising, and audience measurement.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 50: Audio Production
An introduction to the sound medium and its applications for CTM majors. The fundamental properties of sound are introduced and related to modem audio production techniques. Students conduct lab exercises in digital recording, editing and multi-track mixing.
Prerequisites: CTM majors and minors

CTM 55: Fundamentals of Studio Production
An introduction to the complete process of video production for professional use. Students learn how video works, how to plan a video production, how to operate various production equipment, how to produce a program, how to evaluate the quality of finished video productions, and how to determine the appropriate type of production for a given circumstance.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 70WI: Scriptwriting
An introduction to the craft of writing for film, television, and emerging technologies. Students learn the process and appropriate formats needed for writing commercials, PSAs, promos, documentary outlines and proposals, and dramatic narratives. Students will learn to write for the screen by using shot composition, camera movement, and diegetic and non-diegetic audio.
Prerequisites: CTM majors and minors

CTM 107: Broadcast Newswriting Workshop
This course presents the basic concepts of broadcast writing styles used in the development of radio news stories. Fundamental principles of writing narration introduced in the core-writing course are expanded upon and new concepts in newsgathering and reporting are introduced. Students write and reproduce short news reports to be broadcast on Kutztown University's Radio Station.
Prerequisites: TVR 70

CTM 130CTVL: Media Theory and Aesthetics
Beginning with a treatment of the process of human communication, this course introduces students to various theories of how media content reaches and affects audience members. The course follows the traditional approach to aesthetics as an understanding and perception of "beauty." It seeks to apply that approach to media production by exploring fundamental aesthetic considerations for producing effective media content. Specific treatment is given to such topics as narrative structure, visual and sound cues, image framing, lighting, and shot sequencing.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 140: Lighting
This course presents advanced techniques, equipment and applications of lighting for video production. Topics introduced in basic production courses are being expanded upon, and new concepts will be introduced. Students conduct lab exercises in camera sensitivity, color balancing, image control, bounce light, lighting interiors, lighting exteriors, single subject interviews, 2-person interviews, master shots and close-ups.
Prerequisites: TVR 055 or permission of the instructor.

CTM 160: Cinematography
This course introduces students to the artistic, theoretical and practical elements of cinematography. Students explore the technical and expressive capacities of lighting, composition, and visual-storytelling techniques. Image control exercises include manual camera operation and analysis of lenses, f-stop, shutter speed, and ISO. Students learn the techniques of location lighting with both natural and artificial light while studying historical and current stylistic trends.
Prerequisites: CTM majors and minors

CTM 170: Programming and Sales in the Electronic Media
An introduction to the theory and practice of programming and sales in the electronic media, including broadcast radio and television, cable TV, satellite radio and TV, and online video and audio. Specific program formats and schedules are explored with emphasis on audience analysis and sales techniques appropriate to each format.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 205: Narrative Video Production
This course teaches the theoretical and practical foundations of single-camera narrative video production. Through lectures, scene analysis, and workshop exercises, students learn pre-production, production, and post-production storytelling strategies. Students utilize tools like directing and blocking actors as well as technical tools like camera lenses, lighting, shot composition, and sound design to tell compelling stories. Students write and direct several narrative productions and rotate crew positions to learn the requirements of each crew position in each department. Students study the current landscape to learn how short productions and their aesthetics are shaping and contributing to the media industry.
Prerequisites: CTM50 & CTM55 & CTM70 & CTM160

CTM 206: Masterpieces in Film History
This course analyzes the films, directors, and movements that shaped the art of cinema from its birth to the present day. Students learn the production models, technological developments, and aesthetic techniques that define cinematic masterworks. This course also introduces students to popular film criticism and its contribution to the discussion of the cinematic "masterpiece."
Prerequisites: CTM majors and minors

CTM 218: Studio Production Practicum
This course offers practical experience in various television studio production crew positions and in all the elements required to produce a studio production. The student serves as a camera operator, floor manager, audio technician, assistant director, producer, and in other crew positions. Students are also responsible for writing scripts, gathering B-roll, and producing and editing short features appropriate to the content of the show. Lighting techniques and set design are also included.
Prerequisites: TVR 255 or permission of the instructor

CTM 220: Media Law & Ethics in the Digital Age
This course introduces students to state, federal and case laws as well as Constitutional issues pertaining to the field of media. It traces their historical development and will explore their pertinence to today's technology and society. The course allows students to develop an understanding of legal rights and responsibilities and an understanding of the legal system. The course covers material such as freedom of the press, copyright, contracts, defamation, privacy issues, access to information, free press and fair trials.
Prerequisites: The completion of 30 credits or permission of the instructor.

CTM 222: The Evolution of Sports and the Media
The Evolution of Sports and the Media will engage students in exploring the origins of media involvement in the sports industry, the history of media coverage of professional sports, the effects of media in sports and techniques used for producing sporting events. This course does not have a production component.
Prerequisites: CTM majors and minors

CTM 226: Ethical Issues in the Electronic Media
This course considers ethical issues associated with mass communication activities, with an emphasis on the electronic media. After beginning with a general consideration of the process of ethical inquiry and the conflicts in values as experienced by professionals working in the electronic media, the course then examines specific types of programming. Case studies and examples are used throughout the course to illustrate the topic at hand. Limited enrollment.
Prerequisites: TVR 10 and TVR 220; or permission of the instructor

CTM 227: Promotion and Continuity Workshop
Practical work in various aspects of promotion and continuity. Students work with producers to promote University radio and cable TV programming.
Prerequisites: TVR 10, TVR 50, TVR 55, TVR 70; or permission of the instructor

CTM 250: Engineering and Troubleshooting
Students learn basic video troubleshooting, basic technical terminology and concepts, operation of broadcast test equipment, and alignment and adjustment of video production equipment.
Prerequisites: TVR 50 and TVR 55

CTM 255: Field Production
This course introduces the student to basic single-camera field production. Students learn planning and production strategies for single-camera field productions. Emphasis is placed on shooting to edit. Students are introduced to fundamentals of nonlinear editing. Lighting and audio techniques for field production are treated in depth.
Prerequisites: TVR 55

CTM 262: American Independent Cinema
This course analyzes the history, aesthetics, business, and production techniques of American independent cinema. Students will examine how independent filmmakers worked in opposition to the Hollywood studio system and how those mavericks generated a new cinema and culture inside and outside the studio system. Students will learn how financial and technological limitations spawned personal artistic voices and unconventional filmmaking techniques. The course examines the latest trends in technology, financing and distribution and how independent filmmakers find an audience.
Prerequisites: CTM majors and minors

CTM 270: Script to Screen
An advanced course in scriptwriting and directing for cinema, television, and emerging technologies. Students will build their scriptwriting skills and further develop their craft for visual storytelling. Students will write a 25-page script and film an excerpt from that script to study the interconnection between their writing and the production process. Students will explore different techniques for directing actors while exploring the technical requirements of their scripts. Scriptwriting workshops and production exercises will help students better understand how producers, directors, and directors of photography budget and translate scripts to screen.
Prerequisites: Prerequisites: CTM 55 and CTM 70; or permission of instructor.

CTM 306: Audio Post-Production
This course examines audio post-production techniques for video. Topics introduced in TVR 050 Audio Production, and TVR 255 Video Field Production, are expanded upon and new audio production concepts are introduced. Students conduct lab exercises in signal processing, multitrack recording procedures, and audio post-production techniques for video. Limited enrollment.

CTM 324: Laughing Matters: The Evolution of Comedy Through Cinema, TV, and Beyond
This course analyzes comedic media productions in classic cinema and the Golden Age of Television, leading to current day online video content. Students will explore the conventions and techniques used in comedy throughout its history. Theories of humor will also be discussed.
Prerequisites: COM10 & CTM major & minors

CTM 325: Comedy Writing and Production for Sitcoms and Screen Media
An introduction to writing and producing comedy content for television and digital media outlets with a heavy emphasis on sitcoms. Students will explore comedy structure and format, joke writing, script critique, and humorous story development for the screen. Basic production techniques of sitcoms and comedic screen media will also be discussed, allowing students to see their jokes translate to the screen. Students will use this knowledge to pitch and create a full-length sitcom script by the end of the semester.
Prerequisites: CTM (Electronic Media) majors and minors and CTM (TVR) 70

CTM 330: Corporate Electronic Media
This course is a survey of Electronic Media used in educational, medical, and other corporate facilities, with an emphasis on the operation of production departments. Specific production techniques and distribution systems are covered in detail.
Prerequisites: TVR 10, TVR 50, TVR 55, TVR 70 and TVR 255; or permission of the instructor

CTM 331: Copyright and Intellectual Property
This course serves as an introduction into the basics of copyright and intellectual property issues. Topics include Copyright Basics, Fair Use criteria, and Multi-Media copyright issues through the Digital Millennium Act. Students learn what protections copyright laws afford to creators of works, how to obtain permissions to use copyrighted works, how to secure copyright for works they may prepare now or in the future and how to protect those works from unauthorized use by others as allowed by law. Students also explore the many resources available that deal with copyright and intellectual property. Students are required to have internet access for e-mail, on-line discussion, searches and access to course resources.
Prerequisites: TVR 220 or permission of the instructor

CTM 350: Documentary
This course examines the evolution and diversity of form of the documentary film with emphasis on rhetorical position, subject, ideological representation,
technology, and documentary ethics. Students learn the skills to translate theory into practice and produce several short documentaries. Students learn how to
research, film, and edit short documentaries for television and film exhibition.
Prerequisites: CTM50 & CTM55 & CTM70 & CTM160

CTM 365CP: Post-Production
This course focuses on video post-production equipment and techniques. Students produce programs using advanced post-production techniques.
Prerequisites: CTM205

CTM 368: Post-Production Practicum
The student gains practical post-production experience by editing feature stories from raw footage produced and shot by students enrolled in TVR 358. The edited features and related materials are then edited into video programs under the direction of student producers enrolled in TVR 358.
Prerequisites: TVR 365

CTM 369: Field /Post Production Practicum
This course offers students practical experience in all aspects of single camera video field production. Students working as a part of a team will be provided opportunities producing, shooting, setting up field lighting and audio as well as editing footage into feature packages and full-length programs for air.
Prerequisites: TVR 365

CTM 370: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be repeated for credit to a maximum of six credit hours, provided that the same topic is not repeated.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 371: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 372: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 373: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 374: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 375: Live Event Production
This course integrates studio and field production techniques, and emphasizes producing and directing for single and multi-camera productions in the styles of "live television". It builds upon skills introduced in earlier video, audio, lighting, and editing courses. Those skills are applied to the operation of the KUTV production trailer. All aspects of the production process are further expanded on and explored for studio and field production situations. Students are introduced to multi-camera field production by conducting site surveys and planning and producing several remotes. Students also plan and create production schedules and create all production assests including B-roll, produced roll-ins and graphic elements.
Prerequisite: Junior Level

CTM 376: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 377: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 378: Selected Topics in Electronic Media
This course is an in-depth study of an electronic media topic of current interest. The course content is normally different each time the course is offered. The course may be taught as a laboratory class, with an appropriate increase in contact hours. The course may be repeated for credit to a maximum of 6 credit hours, provided that the same topic is not repeated. Prerequisite: Junior standing.

CTM 379: Independent Study in Electronic Media
The student pursues an area of interest under the direction of a faculty member. An appropriate creative product such as a research paper, case study, or video production is developed. Repeatable to a maximum of six semester hours.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 380: Senior Seminar in Cinema, Television, and Media
This course serves both as a practical survey of the current state of the electronic media industry and as a vehicle for immediate preparation for professional experience. A fundamental purpose of the course is to guide students in searching for and securing a full-time internship for a subsequent semester. The course also covers best practices for seeking and applying for positions in the electronic media industry, including the importance of developing professional connections. Specific attention is given to the freelance aspect of the business.
Prerequisites: Limited to Electronic Media majors who have completed 90 or more credits.

CTM 390: Senior Internship in Cinema, Television, and Media
The Senior Internship in Electronic Media is a program that is designed to give the student a full-time, full-semester, supervised practical experience in an electronic media-related facility, or an appropriate corporate, medical, or educational site.

CTM 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CTM 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

CTM 400: Electronic Media Research
An introduction to research terminology and methods, including basic statistical procedures. Emphasis is placed on developing the students' ability to identify appropriate areas for research and to formulate specific research questions. Attention is also given both to the structure of the electronic media industry and to the role research efforts play in the functioning of that industry. Various research tools and techniques are applied to current issues in electronic media as an introduction to applied research in the field, a foundation for other courses, and to help graduate students with the foundations of thesis research.
Prerequisites: Electronic Media major/minor or permission of the instructor

CTM 450: Managing Electronic Media
An examination of the structures and functions of various electronic media systems, with an emphasis on effective management. The course applies basic management principles to the specific demands of the electronic media industry. On-line and printed resources are used to provide students with an accurate understanding of the current state of the industry and knowledge of developing trends. Facility and departmental management are considered, with emphasis on financial and personnel issues.

CTM 460: Selected Topics: Current Methods in Electronic Media
An in-depth examination of the state of the art in some aspect of electronic media. The course content will normally change each time the course is offered. Both the theoretical foundations and professional applications of the topic will be covered. The course is intended for Electronic Media majors and professionals working in the field. It may be repeated for credit to a maximum of six credit hours, provided that the same topic is not repeated.

Communication Design

CDE 10: Digital Foundations
This is an introductory course that will build a solid foundation of computer technology as it relates to the Visual Arts. The course will cover basic knowledge of computer skills required to proceed with further professional growth in the arts with a focus on computer technology, terminology, and the use of software for creating digital art and related works. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: Visual Arts majors only.

CDE 22: Introduction to Digital Design I
This course is a gateway course which will build a solid foundation of computer technology and its relationship to the Communication Design industry. It also will introduce basic knowledge of computer skills required to proceed with further professional growth in this field. Introduction to Digital Design I will concentrate on the introduction of computer technology, word processing, layout and introductory digital editing. This course may be taught either as a half-semester course or as a full semester course.
Prerequisites: Visual Arts majors only.

CDE 115: Coding
This course will focus on HTML/CSS/JavaScript standards-based web development. Students will learn to separate content from presentation and to design effective communication that may be displayed on a variety of devices and browsers. The course will focus on current practices and accepted standards, but also explore evolving technologies. This course covers terminology, syntax, and best practices for coding websites and generating content for deployment on the world wide web. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: Communication Design majors with a grade of "C" or better in CDE 10 or the permission of the Communication Design chairperson.

CDE 122: Introduction to Digital Design II
This course is an intermediate-to-advanced course which will continue to build on the concepts and skills established in CDE 022 Introduction to Digital Design I. CDE 122 Introduction to Digital Design II will augment skills required to proceed with further professional growth in the Communication Design industry as well as introduce additional and more complex material. Introduction to Digital Design II will concentrate on the creation and manipulation of both vector and raster graphic images as well as expand on the more highly-evolved editing capabilities of various layout applications. This course may be taught either as a half-semester course or as a full semester course.
Prerequisites: FAR 015, FAR 016, ART 031, ART 032, and students must earn a grade of "C" or better in CDE 022 AND have permission of the Communication Design Department.

CDE 130CPVL: Typography
A study of the principles of designing with type, including type history, and technological advancements. There is special emphasis on type selection, specification, and creative typographic design solutions. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: FAR 015, FAR 016, ART 031, ART 032, and students must earn a grade of "C" or better in CDE 022 AND have permission of the Communication Design Department.

CDE 140: Digital Translation
This course is a study of graphic and interactive design fundamentals and practices as they relate to communicating ideas through a digital medium including the World Wide Web (WWW) and computer-based applications. (3 s.h., 6 c.h.) A minimum of 3 hours of work outside of class is required per week.
Prerequisites: Students must earn a grade of "C" or better in the following courses: CDE 022, CDE 122, CDE 130, and CDE 147 or with permission of the Communication Design Department.

CDE 141CMCT: Visual Translation
The study and practice of techniques for representing visual ideas. A variety of tools and contemporary technology will be used in developing designs for presentation. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: CD and ARU majors only. Students must earn a grade of "C" or better in the following courses: CDE 022, CDE 122, CDE 130, and CDE 147 or with permission of the Communication Design Department.

CDE 147: Visual Thinking
A course in the study of idea development as it applies to the graphic communicator. A variety of idea-generating techniques are explored with emphasis upon quick visual exercises to stimulate fresh thinking. This course may be taught either as a half-semester course or as a full semester course.
Prerequisites: FAR 015, FAR 016, ART 031, ART 032, and students must earn a grade of "C" or better in CDE 022 AND have permission of the Communication Design Department.

CDE 151: Illustration Techniques
This course is designed to provide the student with a knowledge of the graphic illustration techniques used in professional illustration. The materials and medias in illustration will be explored, and the student will begin to learn how to construct an illustration and which concepts will communicate most effectively.
Prerequisites: FAR 015, FAR 016, ART 031, ART 032, and students must earn a grade of "C" or better in CDE 022 AND have permission of the Communication Design Department.

CDE 220: Print Media Production
A course in the study of print media reproduction processes to facilitate effective preparation of art for the various contemporary printing methods. This course may be taught either as a half-semester course or as a full semester course.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 022, CDE 122, CDE 130, CDE 140, CDE 141 and CDE 147 or with permission of the Communication Design Department.

CDE 231: Advanced Typography
Students in this course will further explore the possibilities of the typographic form as a means of visual communication. Emphasis will be placed on expressive typography and mastery of typographic design and layout. Students will use advanced typographic techniques to create communications solutions that might include advertisements, promotions, brochures, packaging, educational materials, books or posters among others. The primary design element utilized will be typography. Students will learn to use typography to communicate as both art and message through experimentation, manipulation and integration of letterforms and imagery. This course may be taught either as a half-semester course or as a full semester course.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 022, CDE 122, CDE 130, CDE 140, CDE 141 and CDE 147 or with permission of the Communication Design Department.

CDE 238: Graphic Design I: The Visual Message
A study of the symbolic properties of graphic elements and the interaction of type and image as applied to visual communications. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD and Art majors with CD 22, 122, 130, 141, 147; all with a grade of "C-" or better

CDE 239: Graphic Design II: Editorial Design
The study of the design and structuring of information for magazines, newspapers, newsletters and periodicals. The primary focus of the course will be on the concept and design of the publication, which could include covers, content pages, special sections or supplements, feature stories and articles. Students will learn how to analyze extensive bodies of information, assess the needs of the intended audience and design print media that is meaningful and appropriate. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 022, CDE 122, CDE 130, CDE 140, CDE 141, CDE 147 and CDE 238 or with permission of the Communication Design Department.

CDE 241: Advertising Design I
This course is a study of the fundamentals of the history and the fundamentals of advertising, the breakdown of roles within an advertising agency, and the function of the advertising designer relative to this hierarchy. Emphasis will be placed on accurate communication of the advertiser's message through appropriate development of concepts, words and visuals which reflect strategy, positioning and brand personality.
Prerequisites: CD and Art majors with CD 22, 122, 130, 141, 147; all with a grade of "C-" or better

CDE 242: Advertising Design II
Advertising Design II is a continuation of the study and development of advertising. Emphasis is placed on creative solutions that are "on strategy" regardless of the media.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 241 or with permission of the Communication Design Department.

CDE 252: Illustration I
Digital Illustration is the study of the fundamental building blocks of digital illustration. A variety of digital techniques and methods digital illustrators use will be explored. Concepts and compositional forms will be also addressed.
Prerequisites: CDE 151 with a grade of "C" or better or permission of the instructor.

CDE 253: Illustration II
This course delineates the different markets available to the illustrator. The student will learn how to market an illustration portfolio and will continue with specific problems simulating real illustration jobs. Copyright, self promotion and pricing illustrations will also be discussed.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 252 or with permission of the Communication Design Department.

CDE 276: Interactive Design I: Web Design
This course will introduce students to design for the World Wide Web. Since its inception in 1993 the World Wide Web has become a pervasive form of communication throughout the world. The need for skilled designers has increased as the WWW has transformed from text-based documents to a multimedia communications system. Digital Design II will prepare students to create HTML-based web pages and sites and to understand the technical infrastructure of network-based communications. (6 c.h., 4 s.h.)
Prerequisites: CD and Art majors with CD 22, 122, 130, 141, 147; all with a grade of "C-" or better

CDE 277: Interactive Design II: Multimedia
The study of design applying theories of human-computer interaction including the incorporation of static and moving visuals, sound, and language in a manner where the user is involved in a rich and meaningful experience. Interactive Design II focuses on the skills and knowledge necessary for creating content where the user's actions are answered in predictable (question & answer) and unpredictable (random events) ways; where the user is given control of the environment of the interface including selecting sounds, volume control, and playing video. Multimedia projects are designed for computer games, content contained on CD ROMs, educational kiosks, corporate presentations and for broadband web content.
Prerequisites: CD majors only and a grade of "C" or better in the following course CDE 276 or with permission of the Communication Design Department.

CDE 280: Integrated Branding
Through this course, the student will create a related set of projects that comprise a unified branding system incorporating graphic design, web design and interactive design and featuring professionally rendered illustration. The semester-long project will result in an integrated suite of materials that include a brand guideline book, identity system, advertisements and mobile/web design. The “brand” will be entirely conceived and created by the student as a unique business concept.
A minimum of 6 hours of work outside of class is required by week.
Prerequisites: Requires a grade of "C" or better in CDE 231 and CDE 280 or permission of the Communication Design dept. chairperson.

CDE 307: The Visual Journal: Drawing and Designing Abroad
This is an off-campus class that will be taught while traveling abroad. It is a hands-on course. Each student will complete a portfolio of artwork documenting his or her personal response to the travel experience. Through direct observation, students will explore their personal relationship with the destination, and construct a meaningful document of their travels. Students will have the opportunity to see firsthand the work of artists and designers from other cultures. The course will include guided gallery and museum visits. (This course is also offered under the following designations: CDE 307, FAR 307, CFT 307.) [6 ch 3 sh]

CDE 315: Emerging Media Campaigns
This course will be a study of the ways in which companies and non-profit organizations promote their products and causes to consumers and donors using event, product placement and social networking. Social networking is a relatively new phenomenon that was made possible by the popularity of social networking web sites such as Facebook and Twitter, and hand-held devices including cell phones and smart phones. Product placement has been in existence since Hershey agreed to allow Reese's Pieces to be used in the movie E.T. Sporting events are notorious for selling space in arenas to promote the types of products that would interest their fans. The immediate need of help for Haitian earthquake victims was met by technology that allowed cell phone users to text a donation directly to the Red Cross. Emphasis will be placed on how to reach the appropriate target audience, with each type of advertising, in order to promote products, corporations and non-profit organizations.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 316CPVL: The Advertising Pitch - Strategy, Copy, and Art
The "pitch" process is fast-paced, exciting, and sometimes chaotic. In this course, Strategists, Copywriters, and Art Directors will work together to create a well-thought-out advertising campaign that, in theory, would be of the caliber to land a million-dollar account. Students will practice creating materials, writing a convincing presentation "script", working together as a team in front of an audience, and projecting confidence in their work as they present a professional-quality new business advertising pitch. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: By permission of the department

CDE 330: ANIMATION
This course provides the opportunity for gaining rudimentary skills in the creation of non-computerized animation. While the emphasis is upon the production of animations, the origins of the art form will be explored and the renaissance in independent animation will be examined. A minimum of 3 hours of work outside of class is required per week.

CDE 335: Interdisciplinary Team Project
With an entrepreneurial focus on creating viable products, this course will expose students to the real-world problem solving required to work with interdisciplinary teams while building a web application, mobile application, native application, or an interactive art installation piece. Students will interface with a variety of software packages, programming languages, and hardware products with the goal of creating a functional product by the end of the semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CDE 277

CDE 344: Advanced Illustration Seminar I
The students in these half semester seminars will be required to create a series of illustrations that will be stylistically linked. These pieces will be used as the basis for a professional illustration portfolio. Individual artistic expression will be encouraged. The process and the approach in creating a professional illustration, as well as, an understanding of the different illustration markets and how the individual student's style fits into a specific market will also be explored.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 253 or with permission of the Communication Design Department. Repeatable up to 4 s.h.

CDE 345: Advanced Illustration Seminar II
The students in these half semester seminars will be required to create a series of illustrations that will be stylistically linked. These pieces will be used as the basis for a professional illustration portfolio. Individual artistic expression will be encouraged. The process and the approach in creating a professional illustration, as well as, an understanding of the different illustration markets and how the individual student's style fits into a specific market will also be explored.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 253 or with permission of the Communication Design Department. Repeatable up to 4 s.h.

CDE 346: Motion Graphics II
In Motion Graphics students create kinetic typography and synchronize animations with sounds. Motion Graphics II builds on this experience by integrating motion design with video compositing techniques and video effects. The course also covers topics related to 2D character design, rigging and animation.
A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CDE 366 with a grade of "C" or better; or permission of Department Chair

CDE 347: Interactive Spaces
This course will focus on creating rapid prototypes of reactive environments that engage a users' senses. Students will be exposed to the hardware and software required to build an interactive environment with an emphasis on storytelling, intuitive interaction, and immersive environments. Students will work with projection mapping technology to map a physical object as a complex projection surface.
A minimum of 6 hours of work outside of class is required per week.
Prerequisites: A grade of “C” or better in CDE 356 or CSC 220, or permission of the Department Chair

CDE 348: VR/AR/Mixed Reality
This course introduces students to the tools and techniques required to create content in virtual reality, augmented reality and mixed reality. These unique platforms are rapidly transforming the way we interact with content. Virtual reality enables designers to create completely immersive environments at very little cost. Augmented reality provides a unique way to overlay information on top of the physical world. Students will learn design principles, techniques and skills to create work in these new realities.
A minimum of 6 hours of work outside of class is required per week.
Prerequisites: A grade of “C” or better in CDE 356 or CSC 120, or permission of the Department Chair

CDE 349: Physical Computing
This course will focus on the study of human interaction with computers. Students will use sensors and microcontrollers to capture human interaction and write software to react to the inputs in a variety of ways. Students will focus on using digital technologies to extend human capabilities by observing and responding to physical actions. This course will also introduce users to the basics of electronics, microcontrollers, and hardware programming.
A minimum of 6 hours of work outside of class is required per week.
Prerequisites: A grade of “C” or better in CDE 356 or CSC 220, or permission of the Department Chair

CDE 356: Workshop: Creative Coding
This course is an introduction to computer programming within the context of the arts. Students will build a foundation in visual programming techniques that will be applied to a series of exercises and projects. The course gives students opportunities to interface with a variety of interactive software packages, hardware input and output devices, with the goal of creating compelling interactive artwork. A minimum of 6 hours of work outside of class is required per week. This course may be taught as a half-semester or as a full semester course.
Prerequisites: CD majors only. Students must earn a grade of "C" or better in the following courses: CDE 220 & 231 and at least one of the following CDE 239,CDE 242,CDE 252, CDE 277, or with permission of the Comm Design Dept.

CDE 357: Workshop: Typeface Design
This course is an in depth study of the issues and processes of designing Roman letterforms. The design of typefaces will be presented from both a historical and contemporary perspective. Designing letterforms for a variety of applications will be discussed. Students will develop and design a series of letterforms while considering both structure and purpose.
Prerequisites: Open to students with CDE 130 and CDE 231 or permission of the instructor

CDE 358: Workshop: Digital Animation
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of "C" or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 359: CDE Workshop: Design for the Greeting Card and Gift Industry
Design for the Greeting Card and Gift Industry prepares students in all disciplines of Communication Design to cultivate marketable skills and develop directed portfolio work for this specialized area in Communication Design. This course gives students opportunities to apply design, illustration and interactive skills in the creation of concepts and imagery for print, dimensional and digital products for the greeting card, stationary and gift industry.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 360: CDE Workshop: Advanced Computer Layout
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 361: CDE Workshop: Restaurant Graphics
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 362: CDE Workshop: Campus Graphics
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 363: Workshop: 3-D Computer Animation
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)

CDE 364: CDE Workshop: Poster Design
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 365: CDE Workshop: Art of Humor, Satire and Caricature
This course combines studio work with a historical survey of humorous and satirical art. We consider history of humor in print and study successful artists working in the field today. Students will explore their own strategies for new artists entering the field of humorous illustration, such as graphic novels, web comics, zines, and print-on demand publishing.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 366: CDE Workshop: Motion Graphics
Motion Graphics studies the design of time-based graphics and incorporates kinetic type theories, sound usage, video and film production techniques and traditional and digital animation techniques. Workshop subject material is concentrated and taught in a half semester. Workshop subjects is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 367: CDE Workshop: Package Design
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 368: CDE Workshop: Web Presence
This course will focus on an online presence for Communication Design students. The primary project will be to create a web site showcasing the students' work for use in job search and/or starting a freelance business. Students will be required to set up an online hosting service, register a domain name and publish a web site with samples of their work, resume and contact information. Additionally students will set up accounts at various social and career networking sites to create contacts with potential clients and employers. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 369: Communication Design Workshop
This course serves as an umbrella for a variety of workshops. Subjects are chosen from the following: Campus Graphics, Digital Animation, Art of Humor, Satire and Caricature, Package Design, Advanced Computer Layout, Restaurant Graphics, 3D Computer Animation, Poster Design, Motion Graphics and Design for the Greeting Card and Gift Industry. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 370: Communication Design Workshop
This course serves as an umbrella for a variety of workshops. Subjects are chosen from the following: Campus Graphics, Digital Animation, Art of Humor, Satire and Caricature, Package Design, Advanced Computer Layout, Restaurant Graphics, 3D Computer Animation, Poster Design, Motion Graphics and Design for the Greeting Card and Gift Industry. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 371: Communication Design Workshop
This course serves as an umbrella for a variety of workshops. Subjects are chosen from the following: Campus Graphics, Digital Animation, Art of Humor, Satire and Caricature, Package Design, Advanced Computer Layout, Restaurant Graphics, 3D Computer Animation, Poster Design, Motion Graphics and Design for the Greeting Card and Gift Industry. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 372: Communication Design Workshop
This course serves as an umbrella for a variety of workshops. Subjects are chosen from the following: Campus Graphics, Digital Animation, Art of Humor, Satire and Caricature, Package Design, Advanced Computer Layout, Restaurant Graphics, 3D Computer Animation, Poster Design, Motion Graphics and Design for the Greeting Card and Gift Industry. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 373: Communication Design Workshop
This course serves as an umbrella for a variety of workshops. Subjects are chosen from the following: Campus Graphics, Digital Animation, Art of Humor, Satire and Caricature, Package Design, Advanced Computer Layout, Restaurant Graphics, 3D Computer Animation, Poster Design, Motion Graphics and Design for the Greeting Card and Gift Industry. Workshop subject material is concentrated and taught in a half semester. Workshop subjects are taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 374: Portfolio Seminar
A review of the student's communication design experiences relative to establishing a senior portfolio for professional purposes. This course is to serve as a culmination of all work done in courses taken previously. Offered in half semester unit only.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 375: Selected Topics in Communication Design: Graphic D
A course permitting specialized or advanced subjects, not available in other courses, to be offered a occasion warrants. Topics may be in any aspect of graphic design, adverting design, or illustration and may require studio work, research, or travel.

CDE 377: Independent Study in Communication Design
Independent study involves individual pursuit and self-determination in Communication Design studio area not being offered by the University. PREREQUISITE: permission for up to 12 s.h. Limit 3 s.h. per semester.

CDE 378: Independent Study in Communication Design
Independent study involves individual pursuit and self-determination in Communication Design studio area not being offered by the University. PREREQUISITE: permission for up to 12 s.h. Limit 3 s.h. per semester.

CDE 379: Independent Study in Communication Design
Independent study involves individual pursuit and self-determination in Communication Design studio area not being offered by the University. PREREQUISITE: permission for up to 12 s.h. Limit 3 s.h. per semester.

CDE 380: Independent Study in Communication Design
Independent study involves individual pursuit and self-determination in Communication Design studio area not being offered by the University. PREREQUISITE: permission for up to 12 s.h. Limit 3 s.h. per semester.

CDE 381: Senior Design Seminar: Corporate Publications
This advanced level half-semester course deals with the organization and design of text-driven publications for industry, service, education and retail. Students will learn how to analyze extensive bodies of information, assess the needs of the intended audience and design print media that is meaningful and appropriate. Students will choose and combine format, layout, typography, materials, design elements and imagery to create a visual gestalt. Projects may take the form of annual reports, capabilities brochures, catalogs, books, folios, press kits or promotional brochures, among others. A minimum of 6 hours of work outside of class is required per week. (2 s.h., 6 c.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 239 or with permission of the Communication Design Department.

CDE 382: Senior Design Seminar: Identity Systems
In this half-semester course, students will learn to assess the goals, initiatives, missions and values of a client and communicate the essence of their business visually through semiotics, typography, color and design. In addition to creating a corporate identity, they will learn to apply this identifier to create a brand. Students will learn about the impact of branding in which the company's visual identity is placed in various environments in ways that communicate the characteristics of the organization. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 239 or with permission of the Communication Design Department.

CDE 383: Senior Advertising Seminar: Non-Profit/Corporate I
This half semester Senior Seminar in advertising is a continuum of the study of advertising with emphasis on the total campaign as it applies to non-profit and corporate/institutional advertising.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 242 or with permission of the Communication Design Department.

CDE 384: Senior Advertising Seminar: Consumer Product Advertising
This half semester Senior Seminar in advertising is a continuum of the study of advertising with emphasis on the total campaign as it applies to Consumer Product Advertising.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 242 or with permission of the Communication Design Department.

CDE 385: Senior Interactive Design Seminar: Advanced Web
This half-semester course will cover advanced principles and techniques for designing web-based communications. As the Web continues to expand and transform, this course will train students in contemporary design practices and technology. It will build on the skills learned in Digital Design I and II to enable the student to design efficient, effective communication for the World Wide Web.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 277 or with permission of the Communication Design Department.

CDE 386: Senior Interactive Design Seminar: Advanced Multimedia
Advanced Multimedia is a half-semester seminar allowing for more thorough and deeper instruction in the process and production of interactive design. Advanced Multimedia builds on the skills and concepts learned in Interactive Design II and encourages the student to explore the boundaries for human-computer interaction and focuses on uses for multimedia not previously experienced in Interactive Design II. The format of the course will enhance a student's ability to work efficiently and at a more "real-world" pace.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 277 or with permission of the Communication Design Department.

CDE 387: Senior Illustration Seminar: The Visual Essay
This half semester course is designed to prepare students for the field of illustration. The seminar involves creation of a thematic collection of personal images in the form of a visual essay.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 253 or with permission of the Communication Design Department.

CDE 388: Workshop: Self-Promotion for Illustrators and Designers
This half semester course involves exploration of marketing and self-promotion strategies for success in today's illustration and design marketplace.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 389: Senior Illustration Seminar: Developing a Personal Style
Students will create a unified body of work to be used as the basis for a professional illustration portfolio. Individual artistic expression will be encouraged. The process and the approach to creating a professional illustration will be explored. Students will learn of different illustration markets appropriate to their individual style.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and CDE 253 or with permission of the Communication Design Department.

CDE 392: Field Experience in Communication Design
This course is designed to provide educational opportunities not provided in the University structure. Further explanation should be obtained from the Chairperson. Variable credits 1 to 16 semester hours. Non-repeatable.

CDE 394: Communication Design Internship
Internship provides the senior student concentrating in either Graphic Design, Advertising Design or Interactive Design (Illustration excluded) with professional experience in an area design firm or company design department. The experience will be 40 hours per week for half of a semester. (10 s.h., 40 c.h.)
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CDE 397: Capstone
This course will assist students in identifying a Capstone topic suitable for development. The student will be guided through proposal writing and editing, research, and media exploration. The student will be required to fully research and present his/her findings in writing to the Capstone professor for approval. Upon approval, the student will explore and develop a media appropriate, information-based Capstone project. The final stage of this course will be the production; defense and presentation of a unique final Capstone project that is the culmination of the process, completed creative visual work/s and findings of his/her capstone research.
A minimum of 6 hours of work outside of class is required per week. This course may be taught as a full- or half-semester course.
Prerequisites: Requires CDE 231 and 280, both with a grade of "C" or better or permission of the Communication Design chairperson.

CDE 398: Communication Design Professional Practices
This course will focus on the professional practice and business issues in the Communication Design field. It will address the development of relevant employment and life skills necessary in finding employment in this competitive industry. Materials will be presented through professional presentations, lectures, demonstrations and field trips.
A minimum of 6 hours of work outside of class is required by week.
Prerequisites: CD majors only. Students must earn a grade of C- or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

CDE 399: Student Exhibition
Senior Exhibition is a requirement for graduation. All BFA in Communication Design degree candidates must participate in a Spring semester Senior Exhibition before they graduate. Summer and December graduates will exhibit work in the Spring exhibition prior to graduation. Participation in a Senior Exhibition is defined as showing at least one piece/documentation/record within the confines of the display area being used for the exhibition (usually the Miller Gallery in the Sharadin Art Building). Showing work in alternate spaces on campus, and not in the Senior Exhibition, will not satisfy the graduation requirement. (0 credits, Pass/Fail)
Prerequisites: Students must be eligible for graduation within one year after they have participated in the exhibition or with the permission of the instructor.

Communication Design History

CDH 150CD: Historical Survey of Graphic Design A
The historical development of graphic communications as applied through graphic design, including typography, advertising design and illustration, from pre-historic times through the 19th century. Emphasis is on the search to give visual form to ideas and concepts and to bring order and clarity to information dissemination.

CDH 151CD: Historical Survey of Graphic Design B
Graphic design, advertising design and illustration matured in the 20th Century into recognized professions. This course emphasizes the search to give visual form to ideas and concepts as created within these professions and to delineate how these professions bring order and clarity to information dissemination.

Communication Studies

COM 10: Fundamentals of Oral Communication
The course introduces the theory and practice of oral communication in presentational, interpersonal, and group contexts. Students develop knowledge of, appreciation for, and the requisite skills to communicate effectively in our culturally and professionally diverse world. Students will learn to develop, organize, and prepare messages, as well as apply active and critical listening skills. This course also prepares students to understand the role of perception, ethics, beliefs, attitudes, nonverbal signals, and stereotypical language in oral communication.

COM 52: Voice and Diction Workshop
Maintenance and development of effective vocal quality, audibility, expressiveness and articulation through selection and supervised practice of exercises. Course is repeatable to a maximum of three semester hours.
Prerequisites: COM (SPE) 051

COM 105: Business and Professional Presentations
This course further develops the student's public speaking skills in business and professional situations. Through discussions, activities, and presentations, students develop advanced knowledge of principles necessary for professional and business presentations and practice their skills in presenting before an audience. Cultural sensitivity, ethical practices, and basic research skills are highlighted in accomplishing these goals.
Prerequisites: COM (SPE) 10

COM 121: Introduction to Listening
The course is designed to develop the student's understanding of the listening process through the study of relevant theory and research and to provide an opportunity to apply the theory to a variety of communication contexts through communication exercises and presentations.
Prerequisites: COM (SPE) 10

COM 125: Interviewing: Communication Principles
This course focuses on the development of a working knowledge of the non-therapeutic interview process and the communication skills necessary to effectively interview. Emphasis will be on both the theory underlying the oral interaction as well as practical application and skill development related to interview preparation, verbal and non-verbal communication, use of questions, and presentation of self.
Prerequisites: COM (SPE) 10

COM 130: Interpersonal Communication
This course is an introduction to the theory and practice of interpersonal communication. It is designed to create an increased awareness and application of the concepts, skills, and strategies that are important to enable students to become interpersonally competent communicators in their personal and professional relationships.

COM 140: Introduction to Communication Studies
This course will provide an introductory survey to the field of human communication and its subdivisions. It will cover a broad range of communication concepts and their application, such as communication in the workplace, effectively using social media, and improving interpersonal relationships. Students will also be exposed to the career opportunities associated with communication studies.
Prerequisites: COM 10 or permission of the instructor

COM 151: Voice and Diction
Basic processes which underlie the production of American speech sounds, syllables and words. A study of the principles of voice, rhythm, rate, quality and stress; analysis of student's voice and articulation; ear training and self-improvement are emphasized; integration into speaking situations.
Prerequisites: COM (SPE) 10

COM 170: An Introduction to Public Relations
This course is designed as an introduction to Public Relations as conducted in business, industry, sports teams, public institutions and by political figures today. Students will examine the functions of public relations and its place within organizations and society.
Prerequisites: COM 10 and in one of the following majors: Comm Studies, Social Media & Theory, or Cinema, TV, or minor in Social Med, Pub Rel, or Digital Comm & New Media, or perm of instructor

COM 201: Storytelling I
The course is designed to build beginning skills in storytelling to those who would like to use storytelling in various venues including: giving structure to personal tales, using storytelling as a teaching tool, performing for children, developing a performance showcase of stories, and improving communication skills.
Prerequisites: COM (SPE) 10

COM 205CMCT: Argumentation and Debate
The course will present an overview of current and historical thought on constructing, evaluating, and analyzing arguments, and give students practice in utilizing arguments in a debate setting. This course will balance theory and presentation focusing on the identification and analysis of different kinds of reasoning used in varying situations including intercollegiate debates, news media, political speeches and campaigns, advertising, conversation, and education.
Prerequisites: COM (SPE) 10

COM 210CT: Persuasion
This course covers persuasive forums from conventional public speaking to marketing, contemporary media and propaganda. Students will examine traditional, humanistic, social scientific and artistic approaches to public persuasion, from ancient to modern times. Students will demonstrate knowledge of the craft of advocacy and produce original, analytical scholarship about the practice of persuasion; developing skills in critical thinking, evidence assessment, applying persuasive technique, and effective adaptation to varied audiences and situations.
Prerequisites: COM (SPE) 10

COM 212CT: Introduction to Mass Communications
A study of the method and philosophy of mass communications. Historical growth of the mass media is described. Interrelationships of present forms of mass communication are linked to the underlying necessity to write, speak, and think clearly and honestly.
Prerequisites: COM 10 & major in BA COM ST, BS SMS, BS CTM or minor in SMS, Public Relations, Dig Communication or permission of instructor

COM 214CM: Advanced Public Speaking
This course provides students the forum to further their skills of public expression, as well as to deepen their understanding of what makes a presentation effective and compelling to an audience. Students will undertake rigorous study of relevant theory and research, including the nature of truth and belief, communicative ethics, the nature of human motivation, and the philosophy of social proof. The course will take a critical approach, encouraging students to participate in determining the focus of their assignments, allowing individual students to develop skills relevant to their career goals.
Prerequisites: COM (SPE) 10

COM 215CM: Small Group Communication
This is an introduction to the dynamics of communication in small group settings. Students will study and experience group leadership and participation with an emphasis in small group management, problem solving and effective group member participation. The course assignments will include public discussions in small groups and required group activities, some involving outside of class meetings.
Prerequisites: COM (SPE) 10

COM 216CDCM: Performance of Literature
This course focuses on studying literature through performance. Emphasis will be on learning to use vocal and physical expression to communicate the intellectual, emotional, and aesthetic dimensions of literature to the audience/ Students will develop skills in analyzing, interpreting, and performing literature as they study the communicative power of literary texts.
Prerequisites: COM (SPE) 10

COM 217: Music and the Spoken Word
This course is designed to develop and intensify the student's intellectual, emotional and aesthetic responses to the aural qualities of spoken word poetry and music through an examination of the similarities and differences between them. It combines rhythm, rhyme, music, drumming, and the power of words. Emphasis will be placed upon those works that particularly convey their meaning through aural and temporal devices.
Prerequisites: MUS 010 or permission of instructor.

COM 224: Social Media Ethics
This course will explore the origins of ethical behavior and actions within the media and will look at both classical and contemporary approaches to ethical decision making and apply them to modern media practices, particularly social media. At the same time, the course will ask whether the media today are acting appropriately as regards ethical practice, and if not, why not. Not only does the course critique media practices but it will also search for suggestions that will most positively affect both the media institutions and the public with which they interact and upon which they rely for their livelihood.

COM 225: Advanced Solo Interpretation of Texts I
Each student will choose a writer or theme developed into a 15 20 minute solo performance. Applying insight drawn from a study of particular selections themselves, as well as from cultural and aesthetic and postmodern criticism, the students will prepare a solo performance representing a writer or theme. Repeatable up to 6 hours, not more than 3 ch. per semester.
Prerequisites: SPE 120 or with the permission of the instructor.

COM 226: Advanced Solo Interpretation of Texts II
Each student will choose a writer or theme developed into a 15 20 minute solo performance. Applying insight drawn from a study of particular selections themselves, as well as from cultural and aesthetic and postmodern criticism, the students will prepare a solo performance representing a writer or theme. Repeatable up to 6 hours, not more than 3 ch. per semester.
Prerequisites: SPE 120 or with the permission of the instructor.

COM 235: Public Relations Cases and Campaigns
This course provides an in-depth approach to the development of Public Relations programs for various types of organizations and publics. The course will utilize a case study approach to analyzing and understanding the factors necessary to develop appropriate public relation programs and strategies.
Prerequisites: COM 10 and in one of the following majors: Communication Studies, Social Media & Theory, or Cinema, TV, or minor in Social Media, Public Relations, or Digital Communication & New Media, or perm of instructor

COM 237: Women Writers in Performance
This course is designed to use performance theory and process to analyze significant literary works and key themes in women's writing. Students will use performance theory, feminist theory, and post-modern theory to engage with texts from women writers from diverse cultural and historical backgrounds. We will accomplish this through close readings, class discussions, performance workshops, and performances of texts by female authors.
Prerequisites: COM (SPE) 10

COM 240CTWI: Survey of Communication Theory
This course is designed to explore humanistic and scientific approaches to communication studies that have led to its current status as an intellectually vibrant, socially relevant area of study and practice. Students learn about theorizing and specific theories of communication, leading them to gain an enlarged appreciation of the complex, multifaceted process of communication.
Prerequisites: COM 140, Communication major or minor, and either 30+ credits or permission of instructor

COM 241: Public Relations: Processes and Techniques
This course will build on the basic understanding of public relations and its place in society that was gained from COM 170, Introduction to Public Relations, to explore practical application of the theory as carried out in modern PR operations. Exercises, in which students will produce working PR tools, will put a further practical perspective on the profession.
Prerequisites: COM 10 and in one of the following majors: Communication Studies, Social Media & Theory, or Cinema, TV, or minor in Social Media, Public Relations, or Digital Communication & New Media, or perm of instructor

COM 245CM: New Media and Communication
This course is a broad survey of how new media affect communication practices in various fields like: education, business, law, politics, and personal identity. Interactive media, like online social networking and gaming, exhibit characteristics of both mass and interpersonal communication. This complexity has transformed human communication patterns by expanding personal and professional communication possibilities. We will examine current trends and the future development of communication as the world responds to the new media.
Prerequisites: COM 212

COM 248CDCM: Nonverbal Communication
Students will explore some facets, principles, implications, and effects of non-verbal communication. The course will focus on non-verbal codes such as kinesics (body movement), paralanguage (vocalic communication), facial expressions and eye movement, proxemics (space), haptics (touch), and chronemics (time), and artifacts (including art and architecture but also jewelry, clothing, hairstyles, and body modification). Student presentations will highlight how communication is a “package” of symbols.

COM 250: Performance of Latino/a Literature
In this course, students will examine and analyze Latino/a perspectives through the study and performance of literary, theatrical, and cinematic texts. Students will read, discuss, and perform selections of Latino/a literature drawn primarily from Chicano/a, Puerto Rican, and Dominican authors. The course concentrates on contemporary texts by authors who focus on the experience of Latinos/as in the U.S. Through applying performance and rhetorical theory to these texts, students will increase their understanding of the aesthetic, cultural, rhetorical, and performative dimensions of Latino/a literature and the underlying cultural and historical themes that circulate throughout the literature.
Prerequisites: SPE 120 or with the permission of the instructor.

COM 261: Introduction to Health Communication
This course is designed to introduce students to the field of health communication. It will explore health-related communication as it applies to the dissemination, interpretation, and impact of health-related messages. Students will learn about communication between health-providers and patients/clients, health education initiatives and campaigns, as well as communication dynamics in health organizations. Students will gain both knowledge and experience in the use of communication to promote individual and public health.
Prerequisites: COM (SPE) 10

COM 266: Monsters and Myth in Popular Culture
This course explores how monsters and myths are portrayed in television shows, film, fiction, video games, and other forms of popular culture. Students will learn how to analyze monsters and mythic figures such as centaurs, dragons, zombies, vampires, and aliens in relation to the concepts of gender, class, race, sexuality, and disability. The course focuses on how a culture's monsters and myths reflect political realities, social change, and cultural anxieties and fantasies.

COM 271: Sexualities and Communication in Everyday Life
This course is an introduction to the study of sexualities and communication in everyday life. The course is designed to develop a student's ability to think critically about and analyze issues of sexualities in multiple theoretical and often overlapping-perspectives used by scholars to explore and understand sexualities in the broad field of communication.
Prerequisites: COM (SPE) 10

COM 274: Organizational Communication
This course explores communication within the context of the organization. It attempts to develop competencies in the areas of organizational communication knowledge, organizational sensitivity, communication skills that benefit communication in the organization, which contributes to organizational excellence. Specifically, the course examines the nature and structure of organizations, communication systems and channels, and the relationship of communication to how the organization functions.
Prerequisites: COM (SPE) 10

COM 285: Gender Communication
This course provides a study of gender as it influences verbal and nonverbal communication, and shows how gender communication impacts the lives and experiences of women and men. The course will explore multiple ways communication in schools, family, media and society in general creates and perpetuates gender roles.
Prerequisites: COM 130 (SPE 130)

COM 301: Performance and Culture
This course is an introduction to the field of performance studies. In this course, solo performance will be broadly construed to include aesthetic performance (performance art, theater, music, dance, and visual culture) and everyday presentations of self. We will study the history of the field and its relation to other fields (anthropology, theatre studies, philosophy, dance studies, feminism, political science, critical race theory, legal studies, etc.) and ask questions of how the study of performance can help us to understand contemporary questions of aesthetics, politics, and social culture. This course will place particular emphasis on political performance (in the US and abroad), queer, and minority performance.
Prerequisites: COM 120 or COM 201

COM 305: Theories of Emerging and Social Media
New forms of media provide powerful platforms for disrupting old forms of media by creating new methods of making meaning. This course examines the relationships among emerging media technologies and communication theories, with a focus on theories of new media and social media. Students will learn how to apply emerging communication theories to critically analyze how new media and social media texts create new meanings.
Prerequisites: COM 212 or WRI 212 or permission of the instructor

COM 307CTVL: The Rhetoric of Visual Media
This course explores the power of mediated images in culture and society. The history of images and their relationship to language and performance is examined and a definition of visual rhetoric in a variety of contexts is investigated. The relationship between visual rhetoric and digital technology will be discussed. How human beings use and interpret both still and moving images to communicate, as well as the role of images in establishing cultural identity and ideology will be considered. Finally, this course will examine the effects imagery has on an audience in terms of self identity, and self esteem.
Prerequisites: COM (SPE) 10

COM 310: The Rhetoric of Citizenship
Students will examine a collection of historical and theoretical documents, all of which contributed to important intellectual and cultural developments in the United States' experiment in democratic self-government, as well as how that political vision is impacted by the modem media industry. Based on these examinations, students will produce public statements of personal ideology and political persuasion supported by valid evidence and rational argument; developing skills in critical thinking, respectful public discourse, and productive policy debate. Students will learn how public discourse becomes a vehicle to forward political agendas, and develop the ability to discern, understand, and ultimately compose public advocacy.
Prerequisites: COM (SPE) 10

COM 311: Crisis Communication in Public Relations
Public Relations above all concerns itself with mediating conflict between an organization and its publics, including the mass media, activist groups, investors, consumers, employees, and the community. This course will introduce students to a variety of conflicts and crises and provide students with the tools necessary for effective crisis communication, in preparation for becoming crisis managers.
Prerequisites: COM 10 and in one of the following majors: Communication Studies, Social Media & Theory, or Cinema, TV, or minor in Social Media, Public Relations, or Digital Communication & New Media, or perm of instructor

COM 313CD: Communication in a Multi-Cultural World
This course focuses upon the analytic and comparative study of the human communication process as it occurs both across cultures and between people of different cultures. Communication theory is applied to how meaning is derived from behaviors at the interpersonal, group, and international settings. Subjects examined include: variations and similarities in communication across cultures; the interaction of culture with language to influence the encoding and decoding of information; and the effect of cultural variables upon peoples' ability to describe, predict and explain the message of others
Prerequisites: COM (SPE) 10

COM 314: Social Media Analytics
Students will learn how to collect, analyze, and derive insights from social media information. Students will also learn how to craft effective technical reports based on information generated from social media analysis. By examining and reporting effective strategies for creating social media content, students will become better at producing their own social media content, which is an increasingly important ability in a wide range of fields. Students will develop skills in using both freely available and industry-standard digital social media analytics tools.
Prerequisites: ENG 23 or ENG 24 or ENG 25 & sophomore status or permission of the instructor.

COM 319CT: Integrated Marketing Communication Concepts and Practices
This course will introduce students to the principles and applications of integrated marketing communication (IMC), a growing subdivision of traditional public relations that incorporates marketing and advertising. Students will learn the elements of IMC, the benefits of this approach, and how to incorporate IMC principles into modern professional PR practice. Through analyses of existing IMC campaigns as well as the execution of individual and group IMC projects, students will recognize the benefits of IMC, develop IMC deliverables, and gain an appreciation of IMC theory.
Prerequisites: SPE 170, or Business Majors, or Advertising Minors, or permission of the instructor.
Prerequisites: COM 10 and in one of the following majors: Communications Studies, Social Media & Theory, or Cinema, TV, or minor in Social Media, Public Relations, or Digital Communications & New Media, or perm of instructor

COM 320: Group Performance of Literature
This course focuses on teaching students how to develop, rehearse, and present a group performance of literature. Students will learn how to choose a production concept and communicate that production concept to the audience through specific performance choices such as scripting, staging, and design elements (set, costume, lighting, etc.). Emphasis will be on group interaction and orchestration, experimental theatre techniques, and hands-on-ensemble exercise. The work of the course will culminate in a final public performance.
Prerequisites: COM 120 or COM 201

COM 321: Popular Culture
This course explores how popular culture is created and reflected within a range of media and genres-including television, film, music, fiction, social networks, gaming, and digital technology. Students will learn how to explain and critique popular culture from a variety of theoretical perspectives. The course focuses on how popular culture challenges or reinforces stereotypes, creates communities, and reflects social and political realities.

COM 325: The Communication Dynamics of Group Interaction
The course will focus on the dynamics of communication interaction related to task-oriented, decision-making groups (e.g., commissions, boards, councils, task-forces, committees, project and volunteer groups). Students will be required to integrate an examination of current research and theory with case-studies and analysis of ongoing task-oriented groups.
Prerequisites: COM (SPE) 10

COM 327CTWI: Rhetorical Theory and Criticism
This course will present an overview of the history of rhetorical theory and methods of rhetorical criticism. It is based on an appreciation of the beauty and power of language, and an understanding that language and other symbols are the forces that create our socio-cultural reality. As speaker or audience member, we use language to shape our world and make sense of our experience within it. Through rhetorical theory, we learn how symbols function, and we evaluate symbolic acts and artifacts using rhetorical criticism. Different critical approaches help students to discover new possibilities for insight and action.
Prerequisites: COM (SPE) 10

COM 332: American Speakers and Their Impact
A comprehensive study of the development of American rhetorical theory and criticism, and the public speakers who have reflected these trends. Course will include analysis of the speakers, issues, and the times.
Prerequisites: COM (SPE) 10

COM 335: The Rhetoric of Literature
Cooperative investigation of the relationships between literature and rhetoric. Selected works of major literary figures will be examined with reference to their persuasive power and their ability to produce attitude change.
Prerequisites: ENG23, ENG24 or ENG25

COM 336: On-Campus Public Relations Workshop
Students in this course will be assigned to selected on-campus departments, events and offices as staff public relations practitioners. They will bear the responsibility, under the guidance of the instructor, of developing a comprehensive public relations and/or promotional program for the activity to which they are assigned. This can include, but is not limited to, news releases, advertising, news media contact, promotional publications, programs and posters. Students may work with ACE, the Departments of Music, Sport Management, Communication Studies and Theatre, Greek organizations, and other clients across campus.
Prerequisites: COM 170 & COM 235 & in the following majors/minors:
majors: Communication Studies, Social Media & Theory, or Cinema, TV, or minor in Social Media, Public Relations, or Digital Communication & New Media

COM 340CTWI: Communication Research and Writing
This course introduces students to the methodologies and methodological considerations associated with the field of communication studies, including qualitative, quantitative, and mixed-methods approaches. Students will learn key terms, ethical considerations, and the principles of data collection and analysis while applying research principles in class projects.
Prerequisites: COM (SPE) 10 & COM (SPE) 101

COM 341: Voices of American Women
A study of woman's role as speaker in America's development, past and present. Course will include in-depth analysis of specific issues, women and speeches in light of the principles of rhetorical criticism.
Prerequisites: COM (SPE) 10

COM 345: Relational Communication
This course explores communication in a variety of personal relationship types across the lifespan. Communication is situated within specific relationships, including, but not limited to dating, friendship, marriage, parent-child and other family relationships. Those relationships are situated within larger cultural contexts. Building upon core concepts in interpersonal communication, this course explores theory and research on communication in various types of close relationships and how cultural variables affect those different types of relationships.
Prerequisites: COM (SPE) 130 or with the permission of the instructor.

COM 350CT: Leadership: A Communication Perspective
This course serves as an introduction to the study and practice of leadership from a communication perspective. To this end it explores communication variables involved when leaders attempt to influence members to achieve a goal. Particular focus will be on the relationship between communicating and leading. Topics include power, credibility, motivation, research on leadership traits, styles and situations, global leadership, ethics, and current models of leadership such as transformational, charismatic, and functional approaches.
Prerequisites: COM (SPE) 10

COM 360: The Digital Self
This course focuses on the ways in which people create, maintain, perform, and broadcast the self with and through digital media technologies. It examines media such as: social networking platforms, video games, augmented reality software, and wearables.
Prerequisites: COM 355 (formerly COM 245)

COM 370: Selected Topics in Communication Studies
This course will encompass extensive readings, critical evaluations and papers on selected research and theory relating to issues in Communication Studies. Selection of topics will vary depending upon the needs of eligible students. This course may be repeated for credit providing that the same topic is not repeated.
Prerequisites: COM (SPE) 10

COM 371: Selected Topics In Speech: Semantics
Selected Topics In Speech: Semantics.
Prerequisites: COM (SPE) 10

COM 375: Communication Training and Development
This course will focus on the logistics of creating, developing, and implementing communication based training programs. Specifically included will be areas of assessing training needs, developing training need surveys and related assessments, creating and developing training materials, techniques of presentation, program evaluation, and communication consultation strategies and techniques.
Prerequisites: COM (SPE) 10

COM 379: Independent Study in Speech Communication
Before registering, the student is required to consult with the faculty member in the discipline to be studied who will supervise the independent study. May be repeated.
Prerequisites: COM (SPE) 10

COM 380: Senior Capstone Experience
This course is designed as the capstone course for Communication Studies majors, aimed at providing students with the opportunity to integrate the knowledge and skills they have acquired within the major. It will also provide experiences for students to exhibit competent communication skills learned during their program of study in order to prepare for a career in communication.
Prerequisites: Take COM (SPE) 10, 101, 240 & 340

COM 387: Family Communication
Family Communication is designed to introduce students to communication in the family setting. The overall goal is to help you understand how, through communication, we develop, maintain, enhance or disturb family relationships. The course will examine the role of communication as it relates to family identities, family roles, relational maintenance, intimacy, conflict, decision-making, family stress and well-being. Students will learn verbal and nonverbal skills that can promote healthy family communication. This course will potentially be an important beginning in assessing the communication skills, that are inherent in your own family.
Prerequisites: COM (SPE) 130 or with the permission of the instructor.

COM 390: Communication Studies Internship
Supervised professional field experience related to public relations, publicity, and/or organizational communication. Students will select from two internship options: a) public relations or b) organizational communication. Internship tasks and responsibilities will vary with participating organizations. This internship will be available to selected students majoring/minoring in Speech Communication to be taken for a maximum of 6 credits in the major and 3 credits in the minor.
Prerequisites: COM (SPE) 10

COM 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.
Prerequisites: COM (SPE) 10

Composition

CMP 100: Effective Composition
Students in CMP 100 examine and practice writing in public and academic contexts. The course focuses on writing processes and provides sustained practice in critical thinking, reading, and writing demanded by academic and public writing. Student writing and student writers are at the center of the class. Assignments challenge students to expand their approaches to revision and to experiment with a wide variety of writer's techniques. Particular attention is paid to the intersections of audience, purpose, genre, and context. That is, you will consider not only what to write, but also to whom and in what forms. You will also examine the influences that the writer's and audience's circumstances can exert on composition. The conventions of writing, which may include diction, grammar, syntax, usage, and structure, are addressed as part of the process of writing, and students may study how these conventions change with context.
CMP 100 fulfills the General Education requirement for a 100-level CMP course.

CMP 200: Research and Composition
Students in CMP 200 practice research and research writing. Assignments challenge you to revise you work and to experiment with a variety of writer's tools as you put your own voice and perspectives into conversation with those of other writers and thinkers. The course focuses on: the development of research questions; the uses of library databases, the library, and digital resources to find information and perspectives; and writing with research. Particular attention is paid to developing intellectual curiosity, assessing sources' credibility, reading academic work and studies, and practicing ethical attribution and citation. Student writers are at the center of the class. CMP:200 fulfills the General Education requirement for a 200-level CMP course.
Prerequisites: ENG 23 or 24 or 25 or CMP 100 level and up

CMP 201: Introduction to Research and Writing in History and Social Studies
The course will provide a general introduction to the nature and methods of research that students of all majors may find useful during their college career and afterwards. Students will specifically develop and improve their skills in writing, research, and communication.
Prerequisites: ENG 23 or 24 or 25 or CMP 100 level and up

Computer Science

CSC 5: Visualization for the Masses
Have you ever wondered how computers are used to make data look interesting and more easily understood? That is a process carried out by computers that can make any data more understandable and approachable. The interesting thing about this process is that it can be done by virtually anyone – even people who have little experience with computers. This is a course that teaches the student about the different kinds of visualizations and also how to create them. Reading charts, graphs, and more complex visualizations is an important skill to have while knowing how to make these is also an important skill.

CSC 20CPVL: Computer Graphics
This course introduces students to designing visual compositions using image-manipulation and illustration-capture software. Topics include image editing, typography and layout as well as creative design theory and critical analysis.

CSC 101: Computer Applications
This course provides an overview of essential computer concepts and file management, followed by coverage of software applications, including word processing, spreadsheets, and presentations. Students will learn current versions of these software applications.

CSC 111: Computer Forensics
This course is an introduction to the basic concepts of computer forensics. It will teach the student how to identify, preserve, recover, analyze and document data on a computer or network allegedly used to commit a crime. Topics include computer architecture, operating systems, encryption/decryption, preserve and document evidence, and analyzing computers and networks for evidence.

CSC 112: Visual Basic Programming
This course is designed to help the student develop sound programming methodology using the Visual BASIC language and to gain an understanding of the key concepts in computer science. Topics include the Visual Basic development environment, GUI interfaces, the software development cycle, modular design, data flow, execution flow, abstraction, generalization, management of complexity, variables, subroutines, one and two dimensional arrays, and processing string data. An algorithmic approach and top-down design are presented in the solution of problems.

CSC 120CPVL: Introduction to Creative Graphical Coding
This course is for students who want to go beyond using prepackaged software tool for editing graphical images. Students will create interactive images, videos, and multimedia compositions using a programming language specifically designed for these applications. Project include program-driven display of the basic shapes and imported images, display properties such as texture and shading, display-time image composition, generative art, interaction with user gestures, three-dimensional graphics, animation, video, and additional topics as time allows. The programming environment includes extensive language and library support for these activities, while simplifying the steps in introductory programming. There will be solo and/or team projects.

CSC 122CPVL: Web Site Design
This is an elective course for CSC undergraduates and general elective course for other university students. This course introduces the fundamentals of planning, design, organization, implementation, and management of a Web site. Students will be taught the basic concepts of Web page creation. The Hypertext Markup Language (HTML), a markup language used to describe the content and format of documents on the Web will be taught. Cascading style sheets (CSS), a presentation markup language will be introduced. Appropriate Web authoring application software will be used for Web site management.

CSC 123CP: Introduction to Scientific Programming
This course is designed to help the student develop sound programming methodology using the modern programming languages prevalent in the scientific communities as well as scientifically oriented specialized tools and libraries; and to gain an understanding of the key concepts in computer science and to develop skills that can be applied to programming in a scientific environment. Topics include basic concepts of computer languages relating to data flow and execution flow – control constructs, functions, variables, and data structures. Additional topics will include applications to scientific problems and specialized extensions to programming language via packages. Programming assignments will be designed so that each student will write code pertinent to her scientific specialty.

CSC 125CT: Discrete Math for Computing I
This course is designed to ensure that students reach the level of mathematical maturity necessary for the study of computer science and information technology. This course encompasses a study of predicate calculus, sets, functions, relations, counting techniques, discrete probability, and graph theory.
Prerequisites: MAT 105 or higher or Permission of the Instructor

CSC 130: Information Technology Fundamentals
This course is an introduction to the basic concepts of Information Technology (IT). This course is required for IT majors and is intended to provide for most of these students a first introduction to IT as an academic discipline. Topics include: hardware and software basics, the historical evolution of computers systems, database concepts and queries, computer networks, systems design, the IT profession and its responsibilities, and legal and ethical issues raised by IT.

CSC 135: Computer Science I
An introduction to computer components; algorithmic design and the constructs of structured programming; elementary data types and data operations; programming in a high level language; one-and-two dimensional arrays; subroutines and top-down, modular, step-wise programming; computer solution of several numerical and non-numerical problems.

CSC 136CP: Computer Science II
This course extends the topics developed in CSC 135. Also covered are concepts of data abstraction and encapsulation as part of the object-oriented paradigm, pointers, recursion, and beginning data structures such as stacks and queues.
Prerequisites: Completion of CSC 135 with a grade of C or higher.

CSC 220CPVL: Object-Oriented Multimedia Programming
This course introduces students to object-oriented programming in the context of implementing multimedia systems. Object-oriented programming topics include classes, information hiding and encapsulation, delegation, several types of inheritance, mechanisms for code reuse, and design for flexible refactoring. Students will use object-oriented programming to manipulate graphical images, video streams, audio signals, physical devices containing electronic sensors and effectors, and a partial combination of these media. There will also be solo and team programming projects.
Prerequisites: CSC 120 or CSC 123 or CSC 136, any with a grade of "C" or better.

CSC 223: Advanced Scientific Programming
This course takes students deeper into the theory of scientific programming, building on a foundation of sound programming methodology and an understanding of the modern programming languages prevalent in scientific communities and of the specialized tools and libraries. Thorough grounding in computer science principles will enable the student to gain knowledge and skill to best leverage these tools for scientific study and research. Topics include basic concepts of problem analysis and program design both from a procedural and structural standpoint -algorithm development, algorithm analysis, data structures, data storage, data analysis and data visualization. Additional topics will include applications to scientific problems.
Prerequisites: CSC 123 OR CSC 135. One of either course, passed with a grade of "C" or better.

CSC 225: Discrete Math for Computing II
This course is the second in a two-course discrete mathematics sequence designed to ensure that computer science students reach the level of mathematical maturity necessary for the study of computer science. This course encompasses a study of methods of formal proof, induction, counting, graphs, recursion, algorithm specification and algorithm analysis.
Prerequisites: CSC 125 and CSC 135

CSC 235: Computer Organization and Assembly Language
This course is designed to provide an understanding of the organization of and internal execution of a program by a modern digital computer.
Prerequisites: CSC 125 and CSC 136

CSC 237: Data Structures
Topics include basic concepts of data; linear lists, strings, arrays and orthogonal lists; representation of trees and graphs; storage systems, structures, allocation and collections, multilinked structures; symbol tables and searching techniques; formal specification of data structures, data structures in programming languages and generalized data management systems.
Prerequisites: CSC 125 and C or better in CSC 136.

CSC 240: Fundamentals of Game Development
This course explores key concepts in game development, which includes game development life cycle (GDLC), game dimensions, principles of gaming, teamwork, game culture and gaming tools. Particularly, story, storyboarding, data modeling and game engines will be explored in detail.
Prerequisites: A grade of "C" or better in one of the following courses: CSC 120 OR CSC 123 OR CSC 135

CSC 241CP: Advanced Visual Basic Programming
This course is a study of some of the advanced features of Visual Basic. This study would include window design, database access and Internet programming. Under window design such topics as menus, list boxes, common dialog boxes, and multiple form interfaces will be studied. Under database access such topics as creating/opening a database and reading/writing with a database will be studied. Internet topics will include browsing, internet transfer, and winsock control.
Prerequisites: CSC112 or CSC135

CSC 242: Web Programming
This course is an introduction to the basic concepts of client/server scripting on the Web. Topics will include: Web architecture, standards, and infrastructure, client/server architecture on the Web, markup languages and style sheets, client-side data validation and form processing, client-side cookie usage, server-side data processing, information storage, and backend databases, and issues involved with Web interface development.
Prerequisites: CSC 135 with a "C" or better OR CSC 120 with a "C" or better

CSC 243: Java Programming
This course introduces the student to event-driven, object-oriented programming using the Java programming language. The student is introduced to the design, creation, use, and communication that take place among objects. The student will learn how to develop and use graphical user interfaces to represent objects and their environments, and handle exceptions when they occur.
Prerequisites: C or better in CSC 136.

CSC 252: UNIX Scripting and Administration
This course deals with the study of the UNIX operating system, particularly, systems programming and administration. Under the former, such topics as UNIX commands, filters, shell scripts, system security, user accounts, system backup and rebooting, and associated utilities are studied. In addition, software procurement, and installation will be illustrated. Meaningful applications, which illustrate the topics, will be given.
Prerequisites: CSC 120 or CSC 123 or CSC 135

CSC 253: Information Technology Systems
Information Technology comprises the part of computing that provides solutions to problems using computer-based technologies. Representing the fundamental vehicle through which computing solutions are provided, the technologies that make up these solutions are continually evolving. The course introduces the student to information technology systems, specifically the basic concepts used to define, build, and maintain information technology systems. Students will be introduced to the major technologies that are used in information technology systems, how these technologies are assembled into operating systems architecture, and the principles of systems and information management.
Prerequisites: CSC125 and (CSC 136 or CSC 220 or CSC 223)

CSC 273: Computing Systems Integration
This course focuses on the integration of information systems in organizations, which is the process by which different computing systems and software applications are interconnected. It examines the strategies, methodologies, and implementation for combining interdependent systems, enabling two or more applications to interact and exchange data seamlessly. The course will explore various trends in computing system integration, including Enterprise Resource Planning (ERP) software, cloud computing, and mobile integration.
Prerequisites: CSC 237 or 253

CSC 280: Cooperative Internship in Computer Science I
Supervised industrial experience at the level of apprentice programmer or information technologist. Available only to CS majors.

CSC 310: Procedure Oriented Programming Languages
Topics covered include basic concepts and special facilities in higher level programming languages, including scope of declarations, storage allocations, data structure variety, binding time of constituents, and control organization with emphasis on programming in several representative languages.
Prerequisites: CSC 237 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 311: Computer Networks
Computer Networks have become ubiquitous in our society. In depth understanding of their workings is an important part of the foundation of knowledge not only for a computer science student who intends to incorporate networking in their scholastic or professional endeavors, but for anyone working in the discipline, as networking concepts are applicable in many areas inside and outside the discipline. The students will learn the terminology and implementation of computer networks, and the physical components of networks, including cabling and devices, as well as how these components work. Several application layer protocols will also be studied, including HTTP, E-mail, DNS and DHCP.
Prerequisites: CSC 237 or CSC 253 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 320: Game Development I
This course introduces the student to the concepts, process, and algorithms of game design. Topics in this course include an introduction to game design process, game design problems, game algorithms, algorithm implementation and application, data and data structures in game design, and artificial intelligence in game design. The student will create at least two original games using the techniques presented in the course.
Prerequisites: CSC 220 or CSC 136 or CSC 223 or CSC 243 AND CSC 240.

CSC 325: Introduction to Computer Science Theory
This course covers computer science skills required to understand, model, and devise efficient solutions for problems. These skills include techniques for modeling problems, determining inherent complexity of problems, devising appropriate solutions for problems, and analyzing the efficiency of problem solutions. Topics include automata theory, computability theory, computational complexity, and algorithm design strategies. Prerequisites: Completion of 18 CSC credits, numbered CSC 125 or higher and a GPA of 2.25 in the CSC courses.
Prerequisites: CSC 225 and CSC 237 and completion of 18 credits of CSC courses numbered 125 or higher and a GPA in all CSC courses of at least 2.25

CSC 328: Network Programming
This course provides coverage of the basics of network programming methodology and implementation with inclusion of relevant aspects of security. Topics that will be covered are network protocols and interprocess communication (IPC) facilities, including pipes and sockets. Applications using both UDP and TCP will be implemented and analyzed. Both the client and server sides of network applications will be designed and implemented. Application layer security requirements will also be discussed.
Prerequisites: CSC 237 or 253

CSC 330: Introduction to Mobile Architecture and Systems
This course introduces students to the concepts of technology mobility and the role that new and smaller computing devices play in new systems development. The student will be introduced to the field of mobile systems architecture and apply this knowledge to the creation of architectures using both mobile and traditional computing resources. Following this the student will learn about development using today's popular mobile devices and develop their own architecture and system based on mobile devices.
Prerequisites: CSC 237 or CSC 253 and CSC 243

CSC 341: Introduction to Information Security
This course is an introduction to the basic concepts of information security. Topics include security threats and attacks, viruses and other malicious programs, risk management, security protection, basic cryptography, and trusted information systems.
Prerequisites: CSC 237 or CSC 253 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 342: Web Technologies
This course is an introduction to the basic concepts of technologies that are used on the Web. Topics include: Web basics, standards, and infrastructure, client/server architecture on the Web, page presentation using markup languages and style sheets, the Document Object Model (DOM), client-side programming and server-side programming, Web data representation, and Web services.
Prerequisites: CSC 242 with a grade of "C" or better and Junior standing

CSC 343: Operating Systems
This course is an introduction to the basic software components of an operating system. Topics include process management, storage management, processor management, auxiliary storage management, evaluation of an operating system's performance, networks, operating system security, case studies of particular operating systems.
Prerequisites: CSC 237 or CSC 253 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 351: Digital Forensics for Computer Scientists
Digital Forensics entails the collection, organization, explanation, and presentation of evidence assembled in the course of investigations initiated by legal and law enforcement personnel to substantiate or refute legal proceedings of a criminal or non-criminal nature. Because computer scientists play a key role in defining and using technologies for digital forensics, their involvement in such activities is extremely critical. The purpose of this course is to engage the student into digital forensics activities from three viewpoints. The first viewpoint involves looking at digital forensics from the standpoint of the activities and issues faced by the digital forensics expert. The second viewpoint is to consider the nature of the contributions that computer scientists can make to the field of digital forensics through the creation and advancement of algorithms to aid in forensics analytical tasks. Finally the third viewpoint will be to examine digital forensics from the viewpoint of the legal personnel involved and to consider their requirements for evidence and explanation.
Prerequisites: CSC 341 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 354WI: Software Engineering I
This is the first course in a two semester capstone sequence. This course introduces the fundamental principles of software engineering. Coverage will include the System Development Lifecycle (SDLC) methodologies, capturing requirements, design modeling, project management, risk management, and quality assurance. Students will learn techniques for requirements elicitation, prioritization, validation, and specification.
They will be introduced to various design models that are used to capture requirements.
Prerequisites: 24 credits of CSC courses numbered 125 or higher and a GPA in the CSC courses of 2.25

CSC 355WI: Software Engineering II
This is the second course in a two semester capstone sequence. This course presents the advanced principles of software engineering. Coverage will include the professional responsibilities of the software engineer, implementation, testing, configuration management, and the project management. Students will be introduced to different development and testing approaches.
Prerequisites: CSC 354 with a grade of "C" or better and a GPA of 2.25 in all CSC courses.

CSC 356: Introduction to Database Management Systems
Database technology is fundamental to all information technology. Seldom is there a system that has been developed today without some kind of database component. This course provides the students with a fundamental understanding of database concepts, how to create, modify, and access databases, the different types of databases, and an introduction to advanced database topics.
Prerequisites: CSC 237 or CSC 253 and completion of 18 credits of CSC courses numbered 125 or higher and a GPA in all CSC courses of at least 2.25

CSC 361: Finite Automata & Formal Languages
An introduction to finite state automata and regular expressions; the Myhill Nerode theorem and the minimization of finite automata; context free grammars, the Chomsky normal form; the Greibach normal form, and push-down automata; properties of context free languages; Turing machines; computability and the halting problem, the Chomsky hierarchy; deterministic context free languages and LR(k) grammars.
Prerequisites: CSC 310 AND completion of 18 credits of CSC courses numbered 125 or higher AND a GPA in the CSC courses of 2.25.

CSC 363: Interdisciplinary Software Rapid Prototyping
This course combines students from computer science and information technology programs with students taking a course offered by another academic department into interdisciplinary teams that solve a problem or create a prototype product within the domain of that application discipline or disciplines. Student teams analyze problems or opportunities in the disciplinary application domain. They use rapid prototyping techniques that combine off-the-shelf software and custom software to create a prototype software system, and they present or exhibit this system to an audience interested in the domain.
Prerequisites: Completion of 24 CSC credits, numbered 125 and higher and a GPA in the CSC courses of 2.25 in the CSC courses.

CSC 380: Cooperative Internship In Computer Science II
Continuing supervised industrial experience in computer programming and related areas. Available only to CS majors. In this internship the student must function more independently and engage in projects of greater complexity than those of CSC 280.

CSC 385WI: Computer Science Seminar
This course is used to satisfy the senior seminar requirement for CSC majors. The course is designed to integrate the student's work in the CSC major and to provide opportunity for the student to engage in a significant project to structure and apply CSC content and procedures.
Prerequisites: 36 credits of CSC courses numbered 125 or higher and a GPA in the CSC courses of 2.25

CSC 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CSC 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

CSC 402: Data Structures II
This course is the second course in data structures. It is designed to present the computer science student with further depth of knowledge in a continuation of CSC 237, Data Structures. The course is a study in advanced topics of data structures focusing on their structure, efficiency and application. Data structures introduced or expanded include graphs, sets and trees.
Prerequisites: CSC 237

CSC 411: Advanced Networking
This course deals with the theory, implementation and administration of networks. It is also concerned with the various layers of Internet architecture stack, with concentration on layers 3 and 4. The primary protocols for these layers, Transmission Control Protocol (TCP) and Internet Protocol (IP), will be studied in detail. Network addressing and related protocols will also be covered.
Prerequisites: CSC 311 or unconditional admission to the Graduate program.

CSC 415: Design and Analysis of Algorithms I
This course examines the designing techniques and analysis tests for algorithms. Contents include divide and conquer technique, greedy algorithms, dynamic programming, basic search and traversal techniques, and backtracking.
Prerequisites: CSC225 (formerly 126) and CSC 237 or unconditional admission to the Graduate program in CSC or permission of instructor.

CSC 421: Web-Based Software Design and Development
This course introduces the students to web-based software design. Using object-oriented techniques, the students will learn how to develop mainly on the client side of event-based web applications. Projects will build off of rudimentary knowledge of event-based design. Those foundations will be expanded upon to create web-based software, including software that communicates over the Internet, and to add multimedia enhancements, including audio, video, and animation. The completion of projects using these features is an integral part of the course.
Prerequisites: CSC 237or CSC 253 & CSC 243

CSC 422: Object Oriented Programming I
This course presents the main concepts and components involved in object-oriented development and technology. It presents a comprehensive methodology for program development. The course deals with finding an object-oriented approach to analysis, design, and programming.
Prerequisites: CSC225 (formerly 126) and CSC 237 or unconditional admission to the Graduate program in CSC or permission of instructor.

CSC 423: Game Development II
This course is a continuation of the subject matter of CSC 320, Games Development I. In CSC 320, the basics of game development are covered, from concept to storyboard to low-tech prototype and finally to implementation using a game engine. In this course, students will continue the study of game engines and look closely at some of the more advanced features. Animation techniques, 3D modeling, rigging, gravity, and artificial intelligence will be examined. The student will implement at least two original games using these aspects of game development.
Prerequisites: CSC 320

CSC 425: Compiler Design I
Content of this course includes multi-phase translation, lexical analysis, parsing, LL, LR, and LALR parser constructors, error recovery, symbol table organization, static semantic analysis, and the interpretation of formal semantics.
Prerequisites: CSC 310 or Permission of Instructor

CSC 441: Advanced Information Security
This course is an in-depth study of information security. Topics include security threats and attacks, encryption algorithms, cryptosystems, attacks on cryptosystems, firewalls, VPNs, IDPSs, and network security. The concepts of the above will be explored and discussed.
Prerequisites: Take CSC 341 or unconditional acceptance into the graduate program.

CSC 445: Introduction to Intelligent Robotics
This course deals with the theory and implementation of intelligent robotics and autonomous agents. The history, fundamental principles, elements, and algorithms of intelligent robots, both in simulation and in the real world, will be examined. Fundamental issues and debates regarding design and implementation and their roots in knowledge representation and theoretical computer science will be investigated. Using the knowledge gained, students will implement actual designs.
Prerequisites: CSC 237 or 253 or permission of the instructor.

CSC 447: Artificial Intelligence I
An overview of artificial intelligence is presented, including its history, concepts and techniques. Also covered is an introduction to theorem proving and planning (using STRIPS style operators).
Prerequisites: CSC 237 or 253 or permission of the instructor.

CSC 456: Database Management Systems I
Database systems are an integral component of almost every information technology system. This course introduces essential database concepts, data models, data base design principles, data normalization, and query languages primarily from a relational database point of view. Various real-world problems of moderate to high complexity are discussed to design and implement database applications.
Prerequisites: CSC 356 or unconditional acceptance in the graduate program

CSC 458: Data Mining and Predictive Analytics I
Many academic and commercial endeavors apply the techniques of data mining and predictive analytics to their data sets. Students taking this course will learn methods and software tools for locating and obtaining data of interest, for preparing data for semi-automated analysis, for interacting with software tools in analyzing data for patterns, for visualizing structural and dynamic patterns in data, and for designing systems that respond to patterns in data. Data cleaning and formatting require some programming in a modem scripting language. Other course activities include learning to use off-the-shelf software tools to accomplish the tasks of data analysis.
Prerequisites: Junior Level and grade of "C" or better in CSC223) and ("C" or better in one of the following courses: MAT140 or MAT150, or MAT 301 or POL/PSY/SOC200 or SOC201 or BUS120); or unconditional acceptance into a graduate program in CSC.

CSC 459: Introduction to Big Data
This course explores key data management and analysis techniques, which deal with massive datasets to enable real-time decision-making in distributed environments, business intelligence in the Web, and scientific discovery in a large scale. In particular, map-reduce parallel computing paradigms and associated technologies, such as distributed file systems, noSQL databases, and basic machine learning methods, will be explored.
Prerequisites: Junior Level and grade of "C" or better in CSC223) and ("C" or better in one of the following courses: MAT140 or MAT150, or MAT 301 or POL/PSY/SOC200 or SOC201 or BUS120); or unconditional acceptance into a graduate program in CSC.

CSC 464: Human Computer Interaction
This course is designed to provide an understanding of the principles of user interface design for software, and also to gain practical experience designing interfaces for existing software applications.

CSC 472: Independent Study and/or Projects in Computer Science
This course involves individual independent study in some area of computer science under the direction of a CSC group staff member. This study can be made in any of the areas of analog and hybrid computers, artificial intelligence, automate theory, business information systems, computer-aided design, computer-assisted instructions, computer graphics, computer mechanisms and devices, computer systems, computer telecommunication, computer typesetting, information retrieval, linguistic processing, mechanical languages, numerical analysis, programming theory, or switching systems and logical design, and others. A student may register for this course more than once up to a maximum of six hours of credit.

CSC 480: Selected Topics in Computer Science
An in-depth study of a specialized area of computer science. Content will vary from semester to semester. May be repeated with a different topic.

Crafts

CFT 21VL: Ceramics I for Non Majors
This course is a basic introduction to the clay medium: fire, earth and water for Non Majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of ceramics without having to compete with students planning to become professional artists or craftpersons. The manipulative techniques of pinch, coil, slab and wheel are emphasized. Activities reflect an awareness of traditional as well as contemporary approaches to ceramics.

CFT 31VL: Weaving for Non Majors
Introduction to the technique of weaving for non majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of weaving without having to compete with students planning to become professional artists or craftpersons. Introductory and basic weaving techniques are developed through the use of the four-harness loom, as well as simple weaving devices.

CFT 41VL: Textiles and Material Studies for Non Majors
Introduction to fabric processes design for non-majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of textiles without having to compete with students planning to become professional artists or craftpersons. Basic structures of fabrics include single- and multi-element constructions of various processes of surface embellishment and dying. Ancient and modern techniques are studied. A minimum of 3 hours of work outside of class is required per week.

CFT 51VL: Wood Design for Non Majors
Fundamentals of woodworking techniques and furniture design are studied, including fabrication, simple joinery and finishing for non majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of woodwork without having to compete with students planning to become professional artists or craftpersons. Use and care of machine and hand woodworking tools are included.

CFT 61VL: Fine Metals for Non Majors
Experiences are centered on the creation of jewelry and metal crafts for Non Majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of jewelry and metalcrafts without having to compete with students planning to become professional artists or craftpersons. Emphasis on basic fundamental techniques leads to an experimental use of metals, semi-precious stones, and other materials appropriate to the construction of jewelry, hollowware, and metal sculpture.

CFT 68VL: Enameling for Non Majors
This course will introduce the fundamental skills and techniques of vitreous enamel to Non Majors. This course is a General Education elective to permit students with little or no art background to enrich their education through the study of enameling without having to compete with students planning to become professional artists or craftpersons. In addition to the basic and traditional techniques, the student will explore an experimental approach with a contemporary direction emphasizing aesthetics, conceptual, and formal concerns.

CFT 110CDVL: Craft Design
This course is an initial exploration of design concepts and techniques related to basic craft processes. Emphasis is placed on individual production in a variety of materials. Students are required to produce craft objects in a minimum of four craft areas. A minimum of 3 hours of work outside of class is required per week.

CFT 115: Drawing For Designers
This course is to aid the student in developing and presenting ideas in the design and craft areas. Drawing with and without instruments, emphasis will be placed upon perspectives and rendering techniques.

CFT 121VL: Ceramics I
This course is a basic introduction to the clay medium; fire, earth, and water. The manipulative techniques of pinch, coil, slab, and wheel will be emphasized. Activities will reflect an awareness of traditional as well as contemporary approaches to ceramics. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 131VL: Weaving I
Basic weaving techniques are developed through the use of the four-harness loom, as well as simple weaving devices. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 141VL: Textiles and Material Studies I
Basic structures of non-loom fabrics include major single- and multi-element constructions and various processes of surface embellishment. Ancient and modern techniques are studied. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 151VL: Wood Design I
Fundamentals of woodworking techniques and furniture design are studied, including fabrication, simple joinery and finishing. Use and care of machine and hand woodworking tools are included. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 161VL: Fine Metals I
Experiences are centered around the creation of jewelry and metalcrafts. Emphasis on fundamental techniques leads to an experimental use of metals, semi-precious stones, and other materials appropriate to the construction of jewelry, holloware and metal sculpture. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 210: Applied Design for Crafts
This course explores advanced three-dimensional design concepts as they apply to crafts. Emphasis is placed on the complex systems of design as they relate to designing specific objects for functional applications. Investigation of the structural aspects of design, as well as current technological developments in materials and processes is stressed. A minimum of 3 hours of work outside of class is required per week.
Prerequisites: ART 32

CFT 221: Ceramics II
This advanced exploration of the clay medium builds on the skills acquired in Ceramics I. The relationship of technique to concept will be explored with an emphasis on craftsmanship. Both functional and non-functional clay objects will be produced. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in Art Education & Craft majors; and CFT 121 Ceramics I; or permission of the instructor

CFT 231: Weaving II
Advanced weaving includes techniques appropriate for two-, four- and multi-harness looms, stemming from basic techniques developed in Weaving I. Emphasis is placed upon individual design techniques and the development of personal approaches to weaving. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in the College of Visual & Performing Arts except Theatre, Music, Music Education, and Speech majors; and CFT 131 Weaving I; or permission of the instructor.

CFT 241: Textiles and Material Studies II
Advanced techniques and complex fabric structures are investigated and developed. The student focuses upon aesthetic concepts appropriate for fibers and fabric construction. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in College of Visual and Performing Arts except Theatre, Music, Music Education & Speech majors; and CFT 141; or permission of the instructor.

CFT 251: Wood Design II
The course offers advanced study in woodworking techniques and furniture design which include inlay, lathe turning, and various joinery techniques. Care and maintenance of machinery are included. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in the College of Visual & Performing Arts except Theatre, Music, Music Education, and Speech majors; and CFT 151 Wood Design I; or permission of the instructor

CFT 261: Fine Metals II
The creation of unique pieces of jewelry and metal objects becomes the primary emphasis of this course. Advanced techniques of construction and ornamentation will be studied. Areas to be explored by the student include enameling, hollowware, prong settings, repousse (chasing). Works of historic and contemporary significance will be studied. Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in the College of Visual & Performing Arts except Theatre, Music, Music Education, and Speech majors; and CFT 161; or permission of the instructor

CFT 268VL: Enameling
This course will introduce the fundamental skills and techniques of vitreous enamel. In addition to the basic and traditional techniques, the student will explore an experimental approach with a contemporary direction emphasizing aesthetics, conceptual, and formal concerns. Finished pieces may include, but are not limited to, objects of adornment, vessels, and objects as statement. This course may be used by Fine Metal majors in place of CFT 361, CFT 362, CFT 363, CFT 364, or CFT 365. (Repeatable up to 6 semester hours.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: All students in College of Visual & Performing Arts except majors in Theatre, Music, Music Education & Com Studies (Speech) majors; or permission of the instructor

CFT 271: 3D Prototyping
In this course, students will complete a series of projects exploring 3D modeling, 3D scanning technologies, and experimental approaches to digital model generation. Simultaneously, digital models will be made physical through additive and subtractive fabrication technologies including 3D printing, CNC milling, and laser cutting. Students will be introduced to art works, artists working with the medium, and application of this technology in commercial industry. A minimum of 3 hours of work outside of class is required per week.

CFT 307: The Visual Journal: Drawing and Designing Abroad
This is an off-campus class that will be taught while traveling abroad. It is a hands-on course. Each student will complete a portfolio of artwork documenting his or her personal response to the travel experience. Through direct observation, students will explore their personal relationship with the destination, and construct a meaningful document of their travels. Students will have the opportunity to see firsthand the work of artists and designers from other cultures. The course will include guided gallery and museum visits. (This course is also offered under the following designations: CDE 307, FAR 307, CFT 307.) [6 ch 3 sh]

CFT 321CT: Ceramics Studio I
Further advanced study of the ceramic medium is undertaken with an emphasis on concentration in areas of the student's choice. Coursework includes research and experimentation which culminate in the resolution of both technical and conceptual concerns. Technical and conceptual concerns will be addressed in a demonstration/lecture seminar format. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 121 or permission of instructor

CFT 322: Ceramics Studio II
Further advanced study of the ceramic medium is undertaken with an emphasis on concentration in areas of the student's choice. Coursework includes research and experimentation which culminate in the resolution of both technical and conceptual concerns. Technical and conceptual concerns will be addressed in a demonstration/lecture seminar format. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 321 or permission of the instructor

CFT 323: Ceramics Studio III
Further advanced study of the ceramic medium is undertaken with an emphasis on concentration in areas of the student's choice. Coursework includes research and experimentation which culminate in the resolution of both technical and conceptual concerns. Technical and conceptual concerns will be addressed in a demonstration/lecture seminar format. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 322 or permission of instructor

CFT 324: Ceramics Studio IV
Further advanced study of the ceramic medium is undertaken with an emphasis on concentration in areas of the student's choice. Coursework includes research and experimentation which culminate in the resolution of both technical and conceptual concerns. Technical and conceptual concerns will be addressed in a demonstration/lecture seminar format. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 323 or permission of instructor

CFT 325: Ceramics Studio V
Further advanced study of the ceramic medium is undertaken with an emphasis on concentration in areas of the student's choice. Coursework includes research and experimentation which culminate in the resolution of both technical and conceptual concerns. Technical and conceptual concerns will be addressed in a demonstration/lecture seminar format. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 324 or permission of instructor

CFT 331CT: Weaving Studio I
Individual advanced studio experiences include work on standard four- and multi-harness looms as well as primitive weaving devices. The course allows the student to enlarge a vocabulary of weaving techniques and to concentrate upon areas of special interest. Conceptual, technical and critical development in weaving is emphasized within the development of a personal style. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 131 or permission of instructor

CFT 332: Weaving Studio II
Individual advanced studio experiences include work on standard four- and multi-harness looms as well as primitive weaving devices. The course allows the student to enlarge a vocabulary of weaving techniques and to concentrate upon areas of special interest. Conceptual, technical and critical development in weaving is emphasized within the development of a personal style. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed major with CFT 331 or permission of the instructor

CFT 333: Weaving Studio III
Individual advanced studio experiences include work on standard four- and multi-harness looms as well as primitive weaving devices. The course allows the student to enlarge a vocabulary of weaving techniques and to concentrate upon areas of special interest. Conceptual, technical and critical development in weaving is emphasized within the development of a personal style. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT 332 or permission of instructor

CFT 334: Weaving Studio IV
Individual advanced studio experiences include work on standard four- and multi-harness looms as well as primitive weaving devices. The course allows the student to enlarge a vocabulary of weaving techniques and to concentrate upon areas of special interest. Conceptual, technical and critical development in weaving is emphasized within the development of a personal style. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT 333 or permission of instructor

CFT 335: Weaving Studio V
Individual advanced studio experiences include work on standard four- and multi-harness looms as well as primitive weaving devices. The course allows the student to enlarge a vocabulary of weaving techniques and to concentrate upon areas of special interest. Conceptual, technical and critical development in weaving is emphasized within the development of a personal style. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT 334 or permission of the instructor

CFT 341CT: Textiles Studio I
Individual studio problems in non-loom fiber and fabric constructions offer the advanced student an opportunity to pursue interests in complex two- and three-dimensional forms. Production problems for the fiber artist are considered. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors CFT 141 or permission of instructor

CFT 342: Textiles Studio II
Individual studio problems in non-loom fiber and fabric constructions offer the advanced student an opportunity to pursue interests in complex two- and three-dimensional forms. Production problems for the fiber artist are considered. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 341 or permission of instructor

CFT 343: Textiles Studio III
Individual studio problems in non-loom fiber and fabric constructions offer the advanced student an opportunity to pursue interests in complex two- and three-dimensional forms. Production problems for the fiber artist are considered. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 342 or permission of instructor

CFT 344: Textiles Studio IV
Individual studio problems in non-loom fiber and fabric constructions offer the advanced student an opportunity to pursue interests in complex two- and three-dimensional forms. Production problems for the fiber artist are considered. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 343 or permission of instructor

CFT 345: Textiles Studio V
Individual studio problems in non-loom fiber and fabric constructions offer the advanced student an opportunity to pursue interests in complex two- and three-dimensional forms. Production problems for the fiber artist are considered. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Ed majors with CFT 344 or permission of instructor

CFT 351CT: Furniture Studio I
Further advanced study in woodworking techniques and furniture design is provided with emphasis on concentration in areas of the student's choice. Work includes research and experimentation of advanced joinery, lathe turning and veneering. A study is made of marketing, production costs and shop maintenance. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft or Art Education majors and CFT 251; or permission of the instructor

CFT 352: Furniture Studio II
Further advanced study in woodworking techniques and furniture design is provided with emphasis on concentration in areas of the student's choice. Work includes research and experimentation of advanced joinery, lathe turning and veneering. A study is made of marketing, production costs and shop maintenance. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors and CFT 351; or permission of the instructor

CFT 353: Furniture Studio III
Further advanced study in woodworking techniques and furniture design is provided with emphasis on concentration in areas of the student's choice. Work includes research and experimentation of advanced joinery, lathe turning and veneering. A study is made of marketing, production costs and shop maintenance. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors and CFT 352; or permission of the instructor

CFT 354: Furniture Studio IV
Further advanced study in woodworking techniques and furniture design is provided with emphasis on concentration in areas of the student's choice. Work includes research and experimentation of advanced joinery, lathe turning and veneering. A study is made of marketing, production costs and shop maintenance. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: CFT major and CFT353

CFT 355: Furniture Studio V
Further advanced study in woodworking techniques and furniture design is provided with emphasis on concentration in areas of the student's choice. Work includes research and experimentation of advanced joinery, lathe turning and veneering. A study is made of marketing, production costs and shop maintenance. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft major and CFT 354; or permission of the instructor

CFT 361CT: Fine Metals Studio I
Advanced study in jewelry and metal design is undertaken with an emphasis on concentration in areas of the student's choice. Course work includes research and experimentation in advanced techniques. Conceptual, production and technical concerns are addressed. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft or Art Education majors who have taken CFT 161

CFT 362: Fine Metals Studio II
Advanced study in jewelry and metal design is undertaken with an emphasis on concentration in areas of the student's choice. Course work includes research and experimentation in advanced techniques. Conceptual, production and technical concerns are addressed. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Craft majors or Art Education majors with CFT361 or permission of the instructor

CFT 363: Fine Metals Studio III
Advanced study in jewelry and metal design is undertaken with an emphasis on concentration in areas of the student's choice. Course work includes research and experimentation in advanced techniques. Conceptual, production and technical concerns are addressed. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT362 or permission of the instructor

CFT 364: Fine Metals Studio IV
Advanced study in jewelry and metal design is undertaken with an emphasis on concentration in areas of the student's choice. Course work includes research and experimentation in advanced techniques. Conceptual, production and technical concerns are addressed. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT363 or permission of the instructor

CFT 365: Fine Metals Studio V
Advanced study in jewelry and metal design is undertaken with an emphasis on concentration in areas of the student's choice. Course work includes research and experimentation in advanced techniques. Conceptual, production and technical concerns are addressed. (Repeatable up to 15 s.h. with a 6 s.h. maximum per semester.) Students are expected to fulfill all the course requirements assigned in relationship to the number of credit hours earned. This course is repeatable up to five (5) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Craft Studios. Students will develop their personal imagery, critical and creative capabilities, and technical ability. They will also increase their knowledge of relevant processes, techniques, and their understanding of the work of contemporary and historical crafts and craft movements. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.) Prerequisites: Craft majors or Art Ed majors with CFT 364 or permission of the instructor

CFT 368: Product Research and Development
This course will introduce students to the concept of marketing three-dimensional prototypes. The course will involve students in the research and development of new product lines. This course will give students the basic understanding of how inventive thinking and object-making relate to marketing and selling of production samples. While the primary material used in making the prototypes will be wood, other materials may be used depending on the product being designed and developed. This course may be used by wood majors in place of CFT 352, 353, 354, or 355 or as an elective by other majors with permission of the instructor will be necessary.

CFT 370: Selected Topics In Crafts
Students in this course will have the opportunity to explore special topics, issues, and creative practices related to crafts. Under this prefix, different topics, which provide distinctive learning experiences, will be offered periodically. The specific topic(s) offered for each semester will be listed in the schedule. Instruction will be through art studios. A minimum of 3 hours of work outside of class is required per week. Repeatable up to 12 s.h. (6 c.h., 3 s.h.)

CFT 376: Advanced Studio Technique
This course stresses individual development in the area of specialization - Ceramics, Weaving, and/or Non-Loom Fabric Structures, Wood Design, Jewelry Metalcraft. The creation of unique pieces of work becomes the primary emphasis of this course. Advanced techniques will be explored. Works of historic and contemporary significance will be studied. This course provides for an intensive semester in the area of specialization requiring 6 ch per week of structured class activities with 18 additional hours of studio time per week; 90 class hours per semester; 270 studio hours per semester.

CFT 381: Professional Practices: Entrepreneurial Studies
This seminar includes an investigation of the nature of crafts and the influence of history on contemporary crafts. It also covers specific areas of professional concern, such as crafts economics, ethics and safety. During the semester, the students prepare their senior portfolio, compile a business proposal, deliver a teaching presentation to the class, develop a research paper, and assist in a joint student exhibition project.

CFT 392: Field Experience in Craft
This course is designed to provide the student with educational opportunities outside the normal academic program that cannot be gained through the more traditional course structure. By serving as apprentices, interns, aides, or assistants in a variety of settings ranging from public institutions to private industries, businesses, and studios, the student will be able to augment and extend his or her educational experiences to achieve specific personal professional career objectives. Variable credit 1 to 16 semester hours. Minimum of two hours field experience per week or thirty hours per semester for each academic credit hour.

CFT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CFT 399: Student Exhibition
This student exhibition is a requirement for graduation. All BFA-Crafts degree candidates participate in a Senior Show. Seniors who will be graduated in December register for the senior exhibition held at the end of the Fall semester. Seniors who will be graduated in May or at the end of either of the two Summer Sessions register to participate in the senior shows held during the Spring Semester. Participation in a Senior Show is defined as showing at least one piece/documentation/record within the confines of the display area being used for the exhibition (usually the Sharadin Art Gallery). Showing work in alternate spaces on campus, and not in the Senior Show, will not satisfy the graduation requirement.

Criminal Justice

CRJ 10: Introduction to Criminal Justice
This is a course designed to provide the student with a broad, but basic, understanding of the criminal justice system. As the first course to be taken in the field of criminal justice, it will introduce the student to the roles of the police, prosecutor, criminal court, and treatment and correctional facilities within the system. With the completion of this course, the student will be familiar with the essentials of the criminal justice system. Prerequisite to all other courses in criminal justice.

CRJ 101: Introduction to Policing
This course examines the concepts and practices of police agencies in the United States. Police service is discussed as being an essential element in society's over-all effort to establish order. Factors that contribute to the definition of order and the means to achieve it provide the model for analyzing organizational structures for delivering police service in a diverse society. This course is of particular interest to majors in human services.

CRJ 121: Introduction to Law
This course will introduce the student to various types of law that comprise the American legal system. The course is designed to provide the student with a basic understanding of western legal theory and constitutional legal history, criminal law, tort law, contract law, environmental law, family law, antitrust & consumer law, administrative law, property law, and federal torts: civil liability law. After completion of the course the student will have a foundation on which to build upon when taking more advanced and focused legal theory and applied courses.
Prerequisites: CRJ 10

CRJ 170: Introduction to Security Management
This course examines the nature and scope of private security in modern society from historical, philosophical, and legal perspectives. It also addresses the latest trends and concerns in the security industry today. Basic principles of administration, organization, and operation of security and protection units are explored with an emphasis on the management aspect of the private security industry.

CRJ 171: Loss Prevention and Asset Protection
This course examines the theory and application of proactive measures to avoid or minimize industrial loss caused by criminal action as well as non-criminal events resulting from human error, natural disasters, and emergencies.

CRJ 175: Criminal Justice Organizations & Systems
This survey course will introduce students to organizational theory, examine local and state criminal justice agencies as organizations, explain the specific functions of each agency, and explore the reality of whether criminal justice operates as a system. The course will also introduce the student to the development and implementation of criminal justice policy at the local and state levels.
Prerequisites: CRJ 10

CRJ 181: Criminal Law
This course is an in-depth analysis of criminal law in the United States. It focuses on the nature and purposes of criminal law, the sources of classifications and limitations on criminal law, the elements of criminal liability, defenses to criminal liability, parties to crime and the specific crimes against persons, property and public order and morals. Attention will be given to the model penal code and the criminal law of Pennsylvania.
Prerequisites: Criminal Justice, Political Science, & Public Admin majors/minors

CRJ 182: Criminal Procedure
An extensive analysis of criminal procedure in the United States. The course will focus on decisions of the U.S. Supreme Court dealing with criminal procedure principles and doctrines. This course is designed as a follow-up course to Criminal Law.
Prerequisites: Criminal Justice, Political Science, & Public Admin majors/minors

CRJ 190: Federal Law Enforcement
This course examines the structure, authority, history, and jurisdiction of federal law enforcement, and its relationships with other state and local law enforcement agencies. The students will explore how federal law enforcement has evolved since this nation was formed and how its organizations have responded to the changing needs of the nation.

CRJ 200CD: Comparative Criminal Justice Systems
This course is structured to cover the four major criminal justice systems in the world. It offers a topical approach, comparing cross-national criminal justice systems based on substantive and procedural laws, police, corrections, and juvenile justice. In addition, the course explores genocide and the international criminal tribunals that are organized under the auspices of the United Nations.
Prerequisites: CRJ 10

CRJ 210: The Development of the Criminal Justice System
A history of the American criminal justice system from the colonial period through the twenty-first century. This course provides an overview of the origin, development, operation and impact of police, courts, law, corrections and the juvenile justice system. Major analytical perspectives on American social control are described and analyzed.
Prerequisites: CRJ 10

CRJ 215: Introduction to Crime Mapping and Analysis
This course provides an introduction to the theoretical and practical aspects of spatial analysis of crime. The foundational topics that will be covered include theories of crime and place, data and analytical techniques, detecting crime trends and hotspots, linking and forecasting crimes. In addition, the crime mapping software such as ArcGIS will be demonstrated to students throughout the course.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 221CM: Juvenile Justice System
An introduction to the agencies and processes involved in handling juveniles who are suspected or accused of violating the law; examination of the principles upon which the juvenile justice system is based; and analysis of the differences in procedure with the adult justice system.

CRJ 232: Diversity in the Criminal Justice System
Criminal practitioners deal with diverse populations on a daily basis. The concept of diversity can be applied to a range of population characteristics. The primary characteristics explored in this course will be race, ethnicity, and gender. This course explores issues stemming from this diversity as they affect victims, offenders and professionals in the criminal justice system.

CRJ 250: Criminology
An intensive review of the major theories of criminal behavior and their applications in crime prevention and control. Examination of leading crime types and criminal behavior systems.

CRJ 270: Management of Offenders
This course is a survey of history, current practices, and offender characteristics in adult corrections. It includes a critical review of treatment and control strategies.
Prerequisites: CRJ 10

CRJ 271: Substance Abuse and Crime
This course surveys the concept of addictive substances, the relationships between substance abuse and crime, treatment modalities for the addictions, and the role of the criminal justice system in managing substance abusing offenders.

CRJ 272: Community Corrections
This course examines the structure and functions of community correctional agencies including those involved with pretrial release, probation, intermediate sanctions, and parole. Each of the areas explores current practices and their empirical bases.
Prerequisites: CRJ 270

CRJ 273: Career Criminals and Criminal Careers
This course is designed to introduce students to major psychological perspectives on crime by examining and integrating the career criminal and criminal career paradigms that link the fields of psychology and criminology. Students will learn that integrating the career criminal and criminal career paradigms provides them with a deeper and more comprehensive understanding of criminal behavior than either paradigm is capable of alone.

CRJ 274: Policy, Punishment and Society
This course provides an in-depth look into policy issues related to incarceration, with a particular emphasis on inmate experiences and how they might be shaped by societal perceptions of crime and punishment. Correctional practices will be used as a focal point of discussion for understanding the purposes and impact of incarceration on the U.S. population.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 280: Ethics in Criminal Justice
This course is structured to explore professional ethics in the various sectors of the criminal justice system in the United States. It covers ethical theories, the history of ethics, and contemporary ethical issues in law enforcement, courts, and corrections. The course examines various perspectives on justice, fairness, discretion, professional duties, and civic responsibilities from the Greek classical period to modernity and post-modernity.
Prerequisites: CRJ 10

CRJ 281CM: Crime and Delinquency Prevention
This course examines various strategies of crime and delinquency prevention in the United States. Theoretical frameworks underlying these strategies and their effectiveness will be evaluated based on research. The role of different social and criminal Justice agencies such as the media, school, neighborhood and police in crime and delinquency prevention will be addressed. Successful prevention initiatives employed in other countries will also be examined.

CRJ 301: Investigation and Intelligence
This course is a study of the role of information and information usage in the investigation of completed or predicted crime and the compilation of data useful in the anticipation of criminal or terroristic activities - either on American soil or abroad. The effects of varying scale of agency size and functions will be examined as key variables.
Prerequisites: CRJ 101 or Permission of the Instructor

CRJ 320: Evidence
This course is designed to provide students with an in-depth understanding of the rules of evidence. The focus will be on evidence from the time it is collected until it is introduced in court. The emphasis will be on the Federal Rules of Evidence, which are applied in federal court in all fifty states and are similar to each state's rules of evidence. The student will examine evidentiary topics that commonly occur in criminal proceedings, including, but not limited to: hearsay, privileges, and constitutional issues regarding the collection and exclusion of evidence.
Prerequisites: CRJ 181 & CRJ 182

CRJ 321: Contemporary Legal Issues
This course is structured to explore contemporary legal issues and their impact on the criminal justice system. The course will examine the most recent Supreme Court and Circuit Court decisions that affect the criminal justice system. Recent cases and legal issues continue to involve the 4th, 5th, and 6th Amendments to the Constitution. The issues addressed by these cases may involve contemporary issues regarding individual rights, homeland security, victims' rights, terrorism, security, hate crimes, discrimination, search and seizure, and juvenile justice.
Prerequisites: CRJ 181 & CRJ 182

CRJ 322: National Security Law
This course will expose students to the framework of domestic laws – constitutional, statutory, and judicial – that define, support, and constrain the U.S. government's pursuit of national security policy, with an emphasis on national security law post-9/11. The course will focus on the foundations of national security powers, collecting intelligence, and the role of the criminal justice system as a national security tool.
Prerequisites: CRJ 181 and CRJ 182, each with a grade of "C" or better

CRJ 362CPWI: Research Methods in Criminal Justice
An introduction to research methods employed to study the causes of crime and to evaluate attempts to ameliorate crime on both individual and systems levels. Restricted to criminal justice majors and minors.
Prerequisites: Criminal Justice majors and minors with CRJ 10 and 45 credits.

CRJ 370: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 373: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 374: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 375: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 376: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 377: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 378: Selected Topics in Criminal Justice
Extensive readings, critical evaluations and papers on selected research monographs relating to issues in Criminal Justice. Selection of topics will vary depending upon the needs of eligible students. Course may be repeated for credit.
Prerequisites: CRJ 10 or Permission of the Instructor

CRJ 379: Independent Study
The student must confer, and reach agreement, with the faculty member who will guide the independent study. The student and the faculty member must agree upon a topic, course content, evaluation procedures, reading list, and amount of credit prior to registration for the course. This material (course content, evaluation procedures, reading list, etc.) must be filed with, and receive the approval of, the faculty of the discipline involved and of the departmental chairperson.

CRJ 380CTWI: Senior Seminar in Criminal Justice
An interdisciplinary seminar devoted to the analysis of selected contemporary issues in criminal justice and to the integration of the student's previous studies and experiences.
Prerequisites: Criminal Justice majors and minors with CRJ 10 and 75 credits.

CRJ 390: Internship in Criminal Justice I
Placement in a federal, state, local, or private criminal justice agency. Students will gain firsthand, practical experience in the operation of law enforcement, courts, corrections, juvenile justice, or private security agencies.
Prerequisites: a minimum of 90 earned credits and a 2.8 cumulative GPA. Grading basis is PASS/FAIL.

CRJ 392: Field Work in Criminal Justice II
Placement in a federal, state, local, or private criminal justice agency. Students will gain firsthand, practical experience in the operation of law enforcement, courts, corrections, juvenile justice, or private security agencies.

CRJ 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

CRJ 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

CRJ 410: Seminar In Criminal Justice
This course is a survey of the field of criminal justice with emphasis on criminal justice theory, classic studies of police, courts, and corrections, and contemporary issues. The course provides an analysis of the evolution of criminal justice institutions and systems and review of diversity and ethics issues in criminal justice.

CRJ 420: Seminar In Criminology
This course is a survey of the field of criminology with emphasis on classic studies of crime and criminals. Theories of crime derived from philosophy, psychology, sociology, biology, economics, and other disciplines are reviewed. The impact of race, gender, and social class on crime and victimization are examined.

CRJ 430: Legal Issues in Criminal Justice
This graduate course is an overview of selected contemporary legal issues related to criminal law, criminal procedure, corrections, juvenile justice, civil rights and liability, and administrative law. Students will review recent Supreme Court and other related decisions that have had an impact on these areas of the law to gain a more comprehensive understanding of the complexities of such issues as criminal control, civil liability, and homeland security.

CRJ 440: Criminal Justice Evaluation Research
This course examines methods of evaluating criminal justice policies, practices, and programs, including evaluability assessment and both process and impact evaluation. Students learn how to conduct evaluations as well as interpret evaluation studies conducted by others. The role of evaluation research in criminal justice planning and decision making is discussed.

Economics

ECO 10: Introduction to Economics
Introduction to Economics seeks to familiarize undergraduates with the fundamentals of economics – the workings of market economy, the importance of supply and demand in determining prices, causes of unemployment and inflation, monetary and fiscal policies, Federal Reserve System, Wall Street and financial institutions, role of the government, budget deficits and public debt, international trade, comparative advantage, and trade deficits. This course cannot be used by business majors to fulfill general education, business core, or economics minor course requirements. Students having received credit for ECO 011 or ECO 012 cannot receive credit for ECO 010.

ECO 11: Principles of Macro-economics
Principles of Macroeconomics is an introduction to national income measurement, economic models of aggregate output, inflation, unemployment and economic growth. Emphasis is placed on use of fiscal and monetary policies to achieve the goals of price stability and full employment in a global economy.

ECO 12: Principles of Micro-economics
Microeconomics is the study of the economic behavior of individual units of an economy (such as a person, household, firm, or industry). It is primarily concerned with the factors that affect individual economic choices, the effect of changes in these factors on decision makers, how choices are coordinated by markets, and how prices and outputs are determined in individual markets. Since the results produced by markets are not always perfect, the role of government in correcting market failures is also examined.

ECO 150: Economic History of the United States
This course is a historical treatment of the economic development of the United States from colonial times to the present. Emphasis is placed on the roles played by the rule of law and the individual entrepreneur. Prerequisites: ECO 11 or ECO 12

ECO 201: Development Economics
Development Economics is a theory and policy oriented course that examines domestic and global aspects of the processes of economic growth and development in less-developed nations. Emphasis will be placed on exploring economic theories that explain why some countries achieve economic prosperity while others remain in poverty. Explorations of growth and development theories will be supplemented by a comparative review of policy choices and growth strategies implemented by successful and less successful countries.
Prerequisites: ECO 11 and ECO 12

ECO 205: Intermediate Microeconomics
This course focuses on the application of intermediate-level microeconomic theories and concepts. Topics include consumer behavior, production and costs, price and output under alternative market structures, factor markets, and market failure. The course is required for the economics minor.
Prerequisites: ECO 11 and ECO 12

ECO 210: Intermediate Macroeconomics
Intermediate Macroeconomics is a branch of economics that focuses on the study of the causes of fluctuations in aggregate economic variables such as real gross domestic product, consumption, investment, inflation, and unemployment. The course will also examine how monetary and fiscal policy can be used to reduce the frequency and severity of short-term economic fluctuations so that the economy can achieve long-term economic growth, without inflations and recessions. The course is required for all students in the Economics Minor.
Prerequisites: ECO 11 and ECO 12

ECO 310: Money and Banking
This course looks at key issues in the theory and practice of financial markets, monetary policy and banking and how their interactions affect the economy. A broad range of topics will be analyzed, including the nature and uses of money, inflation, interest rates, and the structure of banks and other financial institutions. This course will also introduce students to the analysis of the Federal Reserve System and other government agencies that regulate the financial industry.
Prerequisites: ECO 11 and ECO 12

ECO 322: The Economics of Health and Medicine
This course examines the American health care system through the application of economic theories and empirical methods. Topics include physician and hospital services, the pharmaceutical industry, and health care insurance. The role of public policy in achieving specific social objectives is also discussed.
Prerequisites: ECO 11 and ECO 12

ECO 345: Econometrics
Econometrics is a field that uses economic theory and statistical methods to address empirical problems in economics. It is a tool for empirical discovery and policy analysis with the aid of econometric software. The course covers a variety of econometric tools, without requiring the knowledge of sophisticated mathematical or statistical techniques. Basic knowledge of economic theory, statistics, and mathematics is sufficient to understand the topics covered in this course.
Prerequisites: ECO 11 and ECO 12 and BUS 120 with a grade of "C" or higher or MAT 140 with a grade of "C" or higher

ECO 360CD: International Trade and Finance
An undergraduate level course in international economics, ECO 360 deals with topics such as workings of the global economy, the theory of foreign trade, tariffs, nontariff distortions to trade, international trade policy, foreign trade and economic growth, balance of payments, international transactions and financial markets, the determination of exchange rates, interest rate and the exchange rate, price level and the exchange rate, capital flows and the developing countries. The course is designed to appeal anybody with an interest in the world economy and an ambition for a leadership position in a multinational corporation. Prerequisites: ECO 11 and ECO 12

ECO 379: Independent Study
The Department of Economics offers undergraduate students the opportunity to pursue individual research projects initiated by the student through independent study. Independent study involves advanced individual research supervised by an Economics Department faculty. Before registering the student is required to consult with the faculty member in the discipline to be studied who will supervise the independent study. May be repeated for credit. (1-2 s.h., 1-3 c.h.)

Education

EDU 10: Professional Orientation
An orientation and guidance course. Opportunities and requirements of the profession, the relationship of the school and society, and the organization and administration of the American school system. Directed observation of various schools and learning situations will be required.

EDU 15: College of Education: First Year Seminar
College of Education: First Year Seminar introduces College of Education first-year students, organized by cohorts according to declared major, to the critical strategies, resources, and responsibilities of a university student and future teacher. The seminar will build the students' foundation knowledge and understanding of what it means to be professional educators. Toward this end, the students enrolled in this course will participate in a number of relevant experiences that facilitate and strengthen their personal appreciation and intellectual understanding of their role as a teacher candidate and the Kutztown University support available to them to ensure their success. The course will be required to all entering first-year students and transfer students who have less than thirty credits. The course will be offered as Pass/Fail.

EDU 100CT: Perspectives on American Education
The course will provide an introduction and overview to the philosophy, history, sociology, and organization of American education. The study of American education will stress the relationships among social, economic, and cultural forces affecting the development of public education; historical and philosophical perspectives will be investigated.

EDU 101CTWI: Teaching Pre-K-8: An Exploration and Investigation
This course is an exploration course for students including dual certification students in the Elementary Education programs. It will build the students' foundation knowledge and understanding of what it means to be professional educators in both Early Childhood and Middle Level education. Students will participate in numerous relevant experiences that will develop and strengthen their academic abilities and personal understanding of their role as a student pursuing certification in either the Pre K - 4 or Middle level certification at Kutztown University. Four hours of fieldwork required.

EDU 120CD: Hip Hop and Multicultural Education
This course will investigate the connections between Hip-Hop culture, approaches to educating traditionally marginalized youth, and the way in which schooling can be constructed and disseminated in Hip-Hop. We will analyze the culture of Hip-Hop in an educational context and consider why rappers and effective teachers, how Hip-Hop is structured in ways that support argumentation and communication, and the ways in which traditional content courses can be taught using components of Hip-Hop culture. Once an understanding of Hip-Hop culture has been established, the term 'multicultural education' will be interrogated and lead students to question whether or not multicultural education has true meaning in current research and practice in education. This course will combine scholarship and theory with considerable exposure to various Hip-Hop songs and artists.

EDU 150CD: Meeting the Instructional Needs of English Language Learners
This course will provide teacher candidates with information about English Language Learners (ELLs) in American classrooms. The course will address principles of second language learning and teaching, English language acquisition, Cultural Diversity and lesson planning and delivery, PA English Language Proficiency Standards (ELPS), Research-Based teaching methods, and varied assessments. Additionally current federal, state, and local regulations relative to ELLs will be presented.
Prerequisites: Open to students in the College of Education or in the majors of Art Education or Music Education.

EDU 200: Student Activities
Major emphasis is upon the role that student activities play in the educational enterprise - a study of the nature and function of student activities - the managing of the activities program in the elementary and secondary school - detailed study of specific activities including organization, financial control, evaluation and legal responsibility. Student presentation and seminar method will be used.

EDU 225: The Role of the Teacher in Guidance Services
The history of guidance services will be presented to give the student background material. The foundations of counseling theories and techniques used in public school education will be defined. A study of the evaluative criteria used in school programs and their applications as supportive material to the classroom teacher will be explored.

EDU 228: Women in Education
Women's changing roles in education will be looked at from the perspectives of a student, a teacher, and an administrator. Women's impact and contributions to education at all levels of education will be examined. The role of the institution and the current status of women at all levels of education will be a major focus.
Prerequisites: College of Education majors only

EDU 245: Communication Disorders and the Classroom Teacher
This course is designed to enable the teacher to comprehend the stages of speech and language development in the child, to recognize typical speech and language problems, and to develop skill in motivating and guiding pupils in acquiring correct and effective habits of oral communication.

EDU 260: School and Community
A study of group and intergroup activities. Consideration is also given to the role of the individual in the group, to community interests, needs, resources, and problems, and to teacher responsibility in professional, social, religious, and civic affairs. Student participation in community activities is stressed.

EDU 326: Introduction to Middle Level Education
The philosophy, history, structure, and future direction of middle level education and how these topics relate to the characteristics of the young adolescent will be explored. Students will have the opportunity to explore the middle school concept, including curriculum and instructional strategies that are particularly appropriate for this age group. Observations in schools with culturally diverse populations and special needs students will target developmentally appropriate practice.
Prerequisites: Open to students in the College of Education.

EDU 330: Introduction To The Research Process
This course will familiarize students with the basics of the research process. It will include the structure and process of research, as well as the various types of research, and strategies that support each.

EDU 335: Urban Seminar: Field-Based Multicultural Education
This two-week field experience will be conducted in Philadelphia, PA, and is an opportunity for pre-service teachers, both elementary and secondary education majors, to interact with teachers and students in urban public schools. The course will emphasize interpersonal pedagogical skills needed for success of teachers and learners in urban schools. Inclusive in the course will be a community service project in the neighborhoods near the host schools.

EDU 350: Diagnostic and Remedial Reading
Lecture, reading, demonstration and practice in procedures for identifying and treating common disabilities in word perception and comprehension. Brief introduction to etiology of severe disability.
Prerequisites: ELU 201 or SEU 340

EDU 392: Managing an Inclusive Classroom
Managing an Inclusive Classroom provides both theoretical and practical information to help teacher candidates construct an environment for student learning. Teacher candidates will learn how to develop classroom procedures, manage student behaviors, and create positive learning environments. There will be an emphasis on restorative justice practices and collaborative learning with a focus on establishing a culture of learning while maintaining an environment of respect and rapport. This course is to be taken concurrently with student teaching.

EDU 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

EDU 411: Methods for Teaching Foreign Languages to Early Second Language Learners
This three-hour course provides pre-service and in-service teachers and native speakers whose teacher preparation has come from outside the United States with program models for FLEX (Foreign Language Exploratory Program), sequential FLES (Foreign Language Elementary School Program), and immersion programs as well as the theoretical and historical background and techniques for implementing them. Foreign languages as an integral part of the elementary school curriculum will be emphasized as a complement to the use of webbing within the classroom as it applies to foreign languages. Field experiences teaching in elementary schools are a required element of this course, which is also recommended for Elementary Education majors with a concentration in Foreign Languages.
Prerequisites: College of Education majors only

EDU 428: Culture and Diversity of English Learners
This course is designed to prepare English as a Second Language (ESL) program specialists to facilitate the integration of English Language Learners (ELLs) and their families into the host school and community. As well, the course facilitates school staff members' understanding of multi-cultural and multi-language learners' needs and support strategies so as to maximize the educational experience. Participants in this course will undertake a comparative approach to similarities and differences between the US culture and other cultures with the goal of developing cultural understanding and sensitivity of ELL/ESL students and families living in the US culture.
Prerequisites: Students that have taken EDU 528 Student Diversity & Critical Pedagogy, cannot take EDU 428.

EDU 434: Instructional Methodology for English Learners
This course is for English as a Second Language (ESL) practitioners in partial requirement for the Pennsylvania Program Specialist ESL Certificate. This course offers research-based information relative to the design and implementation of an ESL program; methods, strategies, and resources for ESL programs; the use of computer technology (hardware and software) for ELLs; the use of audio/visual media for ELLs; the adaptation of instructional strategies and materials to address the specific needs, talents and interests of ELLs; the integration of multicultural information for ELLs through various curricula; the development, implementation, and evaluation of varied curricular and instructional activities for diverse ELLs; metacognitive awareness and strategic planning of ELLs to assist them in regular classrooms; and the acculturation process regarding reading, writing, speaking, listening, and culture.
Prerequisites: College of Education majors only

EDU 435: Language Acquisition and English Linguistics
This course is for English as a Second Language (ESL) practitioners in pa1tial requirement for the Pennsylvania Program Specialist-ESL Certificate. This course offers an overview of the basic mechanisms of human language, as well as first and second language acquisition and literacy development. Students will examine the linguistic elements of American English and discover effective methods of instruction and assessment of spoken and written language for use with ESL learners. This course is for English as a Second Language (ESL) practitioners in partial requirement for the Pennsylvania Program Specialist-ESL Certificate. This course offers an overview of the basic mechanisms of human language, as well as first and second language acquisition and literacy development. Students will examine the linguistic elements of American English and discover effective method s of instruction and assessment of spoken and written language for use with ESL learners.
Prerequisites: College of Education majors only

EDU 436: Assessment of English Learners
This course examines the different types and purposes of assessment and the various assessment issues that affect English language learners (i.e. accountability, bias). Students will learn about a variety of performance-based assessments as well as appropriate modifications and accommodations to traditional classroom and standardized assessments in order to measure English language learners' content knowledge independent of their language proficiency. This course will also prepare students to administer standards-based language proficiency assessments and to use the results of these assessments to determine the entry, placement, and instruction of English language learners, as well as to demonstrate students' progress toward and attainment of English language proficiency. This course is designed to meet the requirements for the Pennsylvania English as a Second Language Program Specialist certification program and the TESOL/CAEP Standards for P-12 Teacher Education Programs.

EDU 437: Protocols and Practices for PA ESL Programs
This course examines the history of bilingual and English as a Second Language (ESL) instruction in the United States and the impact of educational policy on the education of English language learners (ELLs). This course will also prepare students to build collaborative relationships with colleagues who are responsible for general and content-area instruction of ELLs and to serve as advocates for ELLs and their families. This course is designed to meet the requirements for the Pennsylvania English as a Second Language Program Specialist certification program and the TESOL/CAEP Standards for P-12 Teacher Education Programs.

EDU 450: Foundations in Science, Technology, Engineering & Mathematics (STEM) Education
This transdisciplinary course provides insight into the historical, fundamental, and contemporary ideas of the nature of K-12 STEM education. Students explore contemporary K-12 STEM education developments, opportunities, and challenges from both discipline-based and integrative approaches. Through inquiry, students will examine current STEM education initiatives and modern integrative STEM educational considerations pe1taining to policy, structure, and student learning. Finally, this course addresses the specific set of competencies that are relevant to teaching and learning STEM, including knowledge of standards (Next Generation Science Standards, PA Mathematics Standards, PA Science and Technology Standards), the need for authentic instruction, inquiry-based methodologies, design processes, and the important role of STEM in workforce preparation and responding to global issues.
Prerequisites: Entrance by department consent only.

EDU 452: Science, Technology, Engineering, and Mathematics (STEM) Education Pedagogy
This course examines the implementation of best practices in integrative STEM education and prepares teachers to create, implement, and reflect upon lessons designed to help students master content standards and STEM-based skills. This course also addresses the issues and knowledge that are relevant for teaching and learning, including integration of Pennsylvania's Standards Aligned System (SAS). Students explore the signature pedagogies unique to the fields of STEM education. Students also obtain an awareness of multiple models of teaching and learning, including inquiry-based instruction, project-based learning, use of instructional technologies, higher-order questioning strategies, critical thinking, collaborative problem solving, design and reflection cycles, STEM literacy skills, purposeful grouping, and differentiated instruction. This course will include five hours of fieldwork in a STEM setting.
Prerequisites: EDU 450

EDU 454: Science, Technology, Engineering, and Mathematics (STEM) Education Skills Application and Assessment
This course will cover the demonstration and application of STEM and 21st Century Learning skills. Course topics include higher-order thinking skills, creative problem solving, representation of real-world phenomena, and manipulation of technology. Candidates will learn to assess students using technology-enhanced, formative and summative assessments that measure mastery of 21st century skills, consistent with integrative STEM classroom learning. This course includes 10 hours of fieldwork in STEM classrooms.
Prerequisites: EDU 450

EDU 456: Science, Technology, Engineering, and Mathematics (STEM) Education Learning Seminar
This course is the culmination of teacher candidates' work and experiences in the STEM endorsement ce1iificate program. The learning seminar engages teacher candidates with the real world data, tools, and expe1is they will encounter in STEM-related fields and further develops their critical thinking and practical work skills. This course examines technologies that are particular to STEM education and explores several significant, contemporary topics related to research in STEM education. Course instruction follows a seminar format appropriate for field experience activities, including facilitated discussions and personal reflections. This course requires candidates to complete a 25-hour on-site experience with a STEM professional.
Prerequisites: EDU 450 and EDU 452 and EDU 454

EDU 490: Teacher Intern
This course is the capstone course for students who are obtaining Pennsylvania certification through the Teacher Intern Program. A fieldwork placement similar to student teaching is included in this experience. Department approval is required.
Prerequisites: College of Education majors only

EDU 491: Tutoring Methods and Strategies for Literacy Volunteers
This course will prepare undergraduate students in various academic disciplines to perform volunteer literacy tutoring and community service. The course will feature instruction in various literacy strategies, tutoring methods, and materials, including Laubach, Orton-Gillingham, Language Experience Approach, and ESOL, combined with instruction in affective strategies such as building self-esteem, establishing a climate conducive to learning, and reducing anxiety in the adult learner. Students will be required to serve as volunteer tutors.

EDU 496: Multicultural Education
This course is designed to help pre-service and in-service teachers and other education professionals to design and implement effective teaching strategies that reflect diversity, and to derive sound guidelines for multi-cultural programs and practices. The life realities, needs, and aspirations of culturally different children and youth are analyzed. Sources of content will be scholarly writings, field investigations, and community resources in foreign countries or American subcultures. Students will be participant observers conducting ethnographic qualitative research in cultural settings different from the mainstream American macro-culture.
Prerequisites: College of Education majors only

Elementary Education

ELU 110: The Visual Arts Experience in Elementary Education
The visual arts experience is examined in relationship to the education of children pre-school through middle school. Through involvement in a variety of art history, art criticism and art production processes suitable for children, students will focus on the relationship of the visual arts to general education in a multi-cultural society, to the developmental growth of children, and to current issues in art education.

ELU 120: Music for Elementary Classroom Teacher
Designed to equip the elementary classroom teacher with the basic experience and competencies for teaching music in the elementary school, the course emphasizes practical classroom experiences in singing, listening, playing instruments, movement, and creative activities.

ELU 130: Introduction to Early Childhood Education
This foundation course focuses on the development of young children from infancy through age eight. Consideration will be given to historical perspectives, present programs, and current research in contemporary issues. Field experiences in pre-school programs, child care settings, and kindergartens are an integral part of the course.

ELU 202: Society, Teaching, and Dispositions
This course is designed to provide candidates with a variety of experiences that will develop dispositions expected of professional educators as delineated in professional, state, and institutional standards. Through structured field experiences, lecture, discussions and readings, candidates can gain knowledge and understanding and foster values about cultural and community diversity to use the information as a basis for connecting instruction to students' experiences. Candidates who can demonstrate prescribed dispositions will be encouraged to continue through the program.
Prerequisites: College of Education majors only

ELU 205: Science for the Elementary and Middle Schools (Required)
This course is designed to provide the future elementary and middle school teacher with a background for teaching science in the elementary and middle school classrooms using the discovery-inquiry, hands-on, "minds-on" approach. The scientific method is stressed throughout the course. The course includes the use of the metric system in the elementary and middle school classrooms as well as the utilization of various materials and special techniques and strategies. Laboratory activities are an integral part of this course. Materials have been selected from the various fields of science.
Prerequisites: College of Education majors only

ELU 206: Teaching Science for Middle Level Learners
ELU 206 is designed to prepare teacher candidates with a background for teaching science in the middle level classrooms using inquiry centered, hands-on, "minds-on" approach. The connection between inquiry and science content is stressed throughout the course. The course is designed to build content knowledge, pedagogical knowledge, assessment, and connections to other disciplines in the classroom. The course utilizes exemplary science programs grounded in research. Teacher candidates will utilize science tools, materials, media, and technological resources to engage students in the learning of science content. The course models current research that focuses on student achievement and the role of the teacher in the classroom. The course will focus on the planning of inquiry-based science programs, actions taken to guide and facilitate student learning, the assessments made of teaching and student learning, the development of environments that enable to learn science, the creation of communities of science learners, and the planning and development of the school science program. (3 s.h., 4 c.h.)
Prerequisites: Any BioWLab or Any Phys Science

ELU 207: Health and Physical Education for Elementary Schools (Required)
This methods course is designed to provide students with an overview of the essential elements of school health and physical education for grades K through 8. Pre-service educators will receive instruction in various teaching styles and strategies used to present health and movement skills. The course will provide teacher candidates with the opportunity to plan and present health topics and physical education lessons. Skills necessary to stay current with trends and information in the field of health and physical education will be emphasized.

ELU 212CD: Teaching Diverse Learners at the Middle Level
This course is designed to provide pre-service teachers with a variety of experiences that will develop dispositions expected of professional educators as delineated in professional, state, and institutional standards. Pre-service teachers will gain knowledge and foster values about cultural and community diversity to use as a basis for connecting instruction to students' experiences. Students who can demonstrate appropriate dispositions toward diverse populations and knowledge of effective and appropriate strategies will be encouraged to continue through the program.
Prerequisites: College of Education students or Pre-Candidacy students only.

ELU 218: Multicultural Perspectives of Urban Education
Participants will be invited to engage in the pedagogical process of building a framework that contributes to their understanding of the unique preparation involved in becoming an effective educator for children and young adolescents who attend schools in dynamic urban settings. Through the development of an appreciation for the personal, cultural, social, family, and community dynamics of urban education, participants will learn to use knowledge from current multidimensional research about urban instructional models to develop, manage and support meaningful instruction for all students in urban settings. Two hours of observations in urban school settings are required.

ELU 221VL: Literature for Upper Elementary and Middle Level Learners
This course focuses on literature for upper elementary and middle level students with emphasis on classroom applications. Literary theory, genre, form, and illustrations are considered in the context of lesson implementation. Approaches to evaluating the quality of literature, selecting literature for instruction, planning response experiences, and the development of specific teacher skills related to the use of literature at the fourth through eighth grade levels are included. Employing professional resources in planning literature experiences, as well as strategies for engaging in on-going professional development as a literacy educator, are also incorporated.
Prerequisites: Students in the College of Education, Pre-Candidates and 4-8 minors with an English Literature course completed

ELU 233: The Integrated Curriculum in Early Childhood Education
This course focuses on determining and devising a developmentally appropriate, all-inclusive content curriculum for infants, toddlers and young children reflecting diversity. Curriculum goals, program schedules, learning environments, selection of instructional materials, content areas and assessment of the curriculum are addressed through projects, readings and field experiences.
Prerequisites: College of Education majors only

ELU 236: The Arts in the Early Childhood Curriculum
This course focuses on designing an all-inclusive, developmentally appropriate creative arts curriculum for the young child. This creative arts curriculum emphasizes play, literature, creative movement, music, creative dramatics and visual arts. A diversified visual and performing arts curriculum will be developed using research, readings, projects, and field experiences.
Prerequisites: College of Education majors only

ELU 300: Fundamentals of Reading Instruction I
In this course, teacher candidates preparing to become certified elementary classroom teachers (a type of Category II Classroom Teachers as defined by the International Reading Association), will study foundational knowledge of reading and writing processes and instruction. Focus will be on understanding the reading process as one of the interrelated language arts with emphasis placed on belief systems about reading instruction, perception and reading, language development and its relation to success in reading, understanding word structure, word recognition skills, fluency, and literate environments. This is a required course in the Elementary Education Program, to be taken after candidacy requirements are met.
Prerequisites: College of Education majors only

ELU 301: Fundamentals of Reading Instruction II (Required)
A continuation of study begun in Fundamentals of Reading Instruction I with emphasis on comprehension skills, teaching reading in content area subjects, understanding programs and processes and evaluating performance in reading. Students examine various materials of instruction in reading. A part of the professional semester block.
Prerequisites: College of Education majors only

ELU 302: Children's Literature (Required)
This course consists of a survey of important children's books, including winners of Newbery and Caldecott Awards, folk literature and poetry. The course encourages the wide reading of children's literature and provides opportunity for storytelling, the creating of materials to be used with children, and the reviewing of criteria used in the evaluation of children's books. A vital part of this course is the emphasis on books about children from multi-cultural backgrounds. Where applicable the historical, political, philosophical and sociological backgrounds of education are blended into the ongoing study of children's books. A part of the professional semester block.
Prerequisites: College of Education majors only

ELU 303: Language Arts (Required)
Background material and techniques for teaching and evaluating skills in the many aspects of oral and written language arts - listening, speaking, usage, spelling, creative writing, handwriting: manuscript and cursive. A part of the professional semester block.
Prerequisites: College of Education majors only

ELU 304: Social Studies for Elementary Schools (Required)
This course focuses on standards and concepts from the social sciences and citizenship education. It examines the development of integrated instruction and resources including technology. A part of the professional semester block.
Prerequisites: College of Education majors only

ELU 306: Integrating Principles of Learning and Teaching: Classroom Applications (Required)
Teacher candidates are provided with current theory and practices in elementary education including instructional models and processes, classroom management, professional behavior, current learning theory and issues of diversity. This course incorporates an elementary/middle school classroom placement. A part of the professional semester block.
Prerequisites: College of Education majors only

ELU 308: Mathematics for Elementary Schools (Required)
This course is designed to prepare prospective teachers to teach mathematics to all children from preschool to grade eight. Instructional strategies appropriate for various stages of intellectual development will be examined. The use of manipulatives, calculators and computers in the teaching of mathematics will be included. ELU 308 is part of the professional semester block.
Prerequisites: College of Education majors only

ELU 311: Teaching Culturally and Linguistically Diverse Children to Read
ELU 311 Teaching Culturally and Linguistically Diverse Children to Read is a course in the Reading Concentration that is designed to provide elementary teacher candidates with those cognitive and affective competencies required to effectively teach reading skills to children classified as culturally and linguistically different.
Prerequisites: College of Education majors only

ELU 321: Assessment of Children: Birth through the Middle Years (Required)
This course examines formal and informal assessment of children from infancy through the elementary school years. Both traditional and alternative assessment methods, including observation of students, testing, performance-based assessment, rubrics and portfolios will be included. Teacher-made evaluation instruments and record-keeping devices will be emphasized and used during experiences. Required (except for those students in the dual certification program in Special Education).
Prerequisites: College of Education majors only

ELU 322: Assessment Methods: Formative, Summative, Diagnostic, and Benchmark
This course examines the formal assessment of children from grades four through eight. Both traditional and alternative assessment methods including diagnostic, authentic, formative, summative, and benchmark are instructed and developed within this course. Use of technology to support instruction and assessment will also be addressed. Learning appropriate assessment methods is imperative to meet the instructional needs of individual students. Required (except for those students in the dual certification program in Special Education).
Prerequisites: College of Education majors only

ELU 325: Differentiated Instruction: Key to Responsive Teaching
This course investigates basic procedures for differentiating instruction based on students' readiness, interests, or learning profiles. Participants will explore strategies that can be used effectively and applied realistically in elementary and middle school classrooms. These strategies will be based on classroom elements such as content, process, products, and learning environment. Appropriate assessments for use in differentiated instruction will be examined.
Prerequisites: EDU101 and EEU 202 OR ELU 212

ELU 331: Teaching and Assessing Literacy for Middle Level Learners Across Academic Disciplines
This course examines literacy development in grades 4-8. Teacher candidates will learn strategies for developing students' proficiencies in word recognition, fluency, vocabulary, and comprehension as they read across content areas. Participants in this course will examine major literacy concepts in academic disciplines and theories associated with young adolescent cognitive development, special education, and English Language Learners (ELLs), including research related to motivation and learning styles applied to content areas. The course also requires candidates to apply their knowledge of the reading process, based on theories of learning, as they explore and evaluate various reading programs, instructional approaches, appropriate assessments, technology, and materials for middle level learners.
Prerequisites: Students in the College of Education or Pre-Candidacy with ELU 221

ELU 334: Instructional Strategies in Early Childhood Education
Instructional strategies appropriate for advancing the intellectual, social, emotional, and physical development of the young child will be examined in this course. Significant contributions of recent research focusing on teaching methods will be considered. Opportunities to develop a variety of teaching strategies and to use them in nursery, kindergarten, or primary school settings will be provided. Micro-teaching will be available to the student.
Prerequisites: College of Education majors only

ELU 338: Internship in Early Childhood Education
Supervised field experiences in diverse settings will include, but not be limited, to daycare centers, Headstart programs, migrant programs, public schools, or family day care homes. The internship may also include international, administrative, or community settings.
Prerequisites: College of Education majors only

ELU 341: Methods in Social Studies and Content Area Reading for Middle Level Learners
Designed for teacher candidates in the middle level professional core - grades 4-8, participants in this course will examine major content area literacy concepts and theories associated with young adolescent cognitive development, special education, and ELL, including research related to motivation and learning styles applied to content areas, specifically Social Studies. Teacher candidates will also critically examine the role of Social Studies in the middle level curriculum. The concepts and processes drawn from the social science disciplines and humanities will be developed. An analysis of contemporary methods and materials in social studies will enable the teacher candidates to gain the knowledge, skills, and dispositions necessary to prepare young adolescent learners of all backgrounds for participation in a democratic society in an interdependent world. Both content areas will be integrated and applied in support of each other during an intensive field experience.
Prerequisites: College of Education students with ELU 221 & ELU 331

ELU 342WI: Teaching Writing at the Middle Level
Middle school teacher candidates will pursue in-depth examination of the research, theory, and best practice in writing instruction for middle level learners. Emphasis will be placed upon instruction in the modes of writing; integrating direct instruction of grammar and usage within authentic contexts; incorporating writing in response to literature; writing to construct meaning across the curriculum; addressing the state standards as they impact the teaching of writing; analyzing assessment strategies to determine individual student progress and program effectiveness; designing effective writing assignments; experiencing and reflecting on the writing process as a writer; and implementing technology into the writing workshop environment.
Prerequisites: College of Education majors only

ELU 344: Teaching and Assessing Social Studies for Middle Level Learners
Designed to prepare teacher candidates with a background for teaching and assessing social studies themes of history, geography, civics/government, and economics in elementary and middle level classrooms grades 4-8, this course uses inquiry based and student-centered approaches to lifelong learning. By using simulation, role-play, case studies, cultural artifacts, cooperative learning, and inquiry project built upon student research, participants are invited to share social studies concepts and themes that provide insights into historical periods and cultures and help students and youth to understand events and periods from multiple perspectives. Emphasis is placed upon authentic activities that call for real-life applications using skills and content of the field. Teacher candidates will demonstrate the ability to teach and assess social studies content using analytic thinking skills while meeting state content standards both on campus and in an extensive field experience. ELU 344 is part of the Elementary Education Grades4-8 professional semester block of courses.
Prerequisites: College of Education majors only

ELU 346WI: Middle Level Cognitive Development
This course provides teacher candidates with an overview of current practices in middle level education (grades 4-8) that address instructional models and processes, classroom management and professional behavior. Teacher candidates are also presented with current learning and motivation theory including issues of adolescent development. This course includes a middle level school classroom placement where teacher candidates are given an opportunity to apply theories and implement strategies developed in their coursework.
Prerequisites: College of Education majors only

ELU 347: Teaching and Assessing Mathematics for Middle Level Learners
This methodology course is designed to prepare teacher candidates to teach and assess mathematics for a wide variety of middle level learners. It will enable candidates to understand and use effective instructional strategies and accepted best practices in order to help adolescent students master more rigorous mathematical content. Candidates will be instructed how to integrate learning theory, developmental theory and cognitive science. There will be a strong link between math content and methods so that candidates will have an understanding about the connection between content knowledge and pedagogical knowledge for optimal teaching and assessing mathematics. This course is part of the Elementary Education Grades4-8 professional semester block of courses.
Prerequisites: College of Education majors with MAT103 & MAT 104

ELU 348: Teaching Mathematics and Science for Middle Level Learners
This course is designed to prepare prospective teachers to teach mathematics and science for a wide variety of middle level learners. It is designed to prepare teacher candidates to an inquiry centered, hands-on, "minds-on" approach as they teach mathematical and science. The connection between inquiry and content is stressed throughout the course. The course is designed to build on content knowledge, pedagogical knowledge, assessment, and connections to other disciplines in the classroom. Candidates will be instructed how to integrate learning theory, development theory and cognitive science. There will be a strong link between mathematics content and methods so that candidates will have an understanding about the connection between content knowledge and pedagogical knowledge for optimal teaching. Teacher candidates will utilize science tools, mathematical manipulatives, materials, media, and technological resources to engage students in the learning of science and/or mathematics content. The course models current research that focus on planning of inquiry-based programs and the actions needed to guide and facilitate student learning. ELU 348 is part of the professional semester block.
Prerequisites: MAT 103, MAT 104, BIO with lab, and a Physical Science without or without a lab.

ELU 349: Teaching and Assessing Science for Middle Level Learners
Designed to prepare teacher candidates with a background for teaching and assessing science for students in middle level classrooms, this course emphasizes use of student-centered, inquiry-based, hands-on, "minds-on" instructional approaches to teaching science content knowledge, skills and dispositions observed in scientific communities. Use of explicit connections between inquiry learning and science processes to develop science content knowledge is stressed throughout the course. Building upon their entering science content knowledge, as well as knowledge of assessment in science, teacher candidates learn ways of connecting exemplary science methodology, and programs grounded in research, to other classroom disciplines. Teacher candidates are expected to utilize science tools, materials, media, and technological resources to develop a repertoire of lessons that engage students in the learning of science content and the real-life process skills they can use to "do science." Additionally, the course models current curriculum research that focuses on student achievement, high stakes testing, and the role of the teacher as facilitator and guide in the inquiry-based science classroom. During extensive professional semester field placements, teacher candidates will explore, plan and implement ways to engage students in inquiry-based science lessons as the foundation of strong science programs.

ELU 351: Diagnostic and Remedial Reading
Students study causes and classification of reading disability cases, examine and administer tests of reading ability, determine needs and plan appropriate learning activities for disabled readers. Materials designed specifically for learning disabled children are pursued. This course is only offered in the Fall.
Prerequisites: College of Education majors only

ELU 352: Reading Diagnosis and Interventions at the Middle Level
Candidates identify the factors that impede reading development for the middle level learner resulting in reading disabilities. Teacher candidates collect and evaluate a variety of evidence to determine a child's strengths and needs. Materials designed for learning disabled and ELL children are pursued. A field experience is required.
Prerequisites: College of Education students with ELU 221 & ELU 331

ELU 353: Language Development, Reading Assessment and Interventions
Participants will identify factors that contribute to language and literacy development of children and young adolescent students. Focus will be on the study of students' reading and writing behaviors with emphasis on the development and use of instructional plans that effectively address language and related literacy development, with explicit attention toward assessment of reading and writing difficulties. Teacher candidates will collect and evaluate a variety of artifacts that support students' strengths and needs in relation to their literacy development. Classroom instructional interventions will be explored and designed to meet differentiated instructional needs of all students, including children with special needs and English as an additional language. A field experience is required.
Prerequisites: College of Education majors with EEU 300 or ELU 331 or as a co-requisite for College of Education majors taking ELU 353 with EEU 300 or ELU 331.

ELU 366: Integrating the Arts into the Elementary Classroom
This course explores the concepts and skills central to the visual and performing arts and examines the role of the arts in society. Students will learn how to develop substantive connections between the arts and other subject areas in the elementary curriculum. They will learn and practice developmentally appropriate strategies for integrating and assessing learning in the arts.
Prerequisites: College of Education majors only

ELU 370: Selected Topics in Elementary Education
An in-depth study of a topic that is of high immediate relevancy to elementary educators. Topics will vary depending upon interests of students and faculty, or the timeliness of the subject matter. The course content will normally change each time the course is offered. The course may be repeated for up to six credits provided the same topic is not repeated.
Prerequisites: College of Education majors/minors only

ELU 380: Independent Study in Elementary Education
Independent Study is based on a student's pursuit of a subject in elementary education not covered within a regularly offered undergraduate course in Elementary Education. Students may schedule this course for one to three credits in a single semester, with no more than six credits for Independent Study overall.

ELU 390: Student Teaching and Practicum (Elementary I)
ELU 390 & 391 are segments of a single course which provides two full-time classroom experiences comprising an entire semester. Opportunities are provided for observations and participation in all activities related to teaching. The practicum, concurrent with student teaching, is a clearing house for the selection, organization, and presentation of proposed units, lessons, and other classroom related activities. In addition, it provides an opportunity for the discussion of problems that arise in the classroom. Students organize units of instruction and present them for evaluation by the group.
Prerequisites: College of Education majors only

ELU 391: Student Teaching and Practicum (Elementary II)
ELU 390 & 391 are segments of a single course which provides two full-time classroom experiences comprising an entire semester. Opportunities are provided for observations and participation in all activities related to teaching. The practicum, concurrent with student teaching, is a clearing house for the selection, organization, and presentation of proposed units, lessons, and other classroom related activities. In addition, it provides an opportunity for the discussion of problems that arise in the classroom. Students organize units of instruction and present them for evaluation by the group.
Prerequisites: College of Education majors only

ELU 392: Clinical Experience with Middle Level Learners I
ELU 392 and ELU 393 are segments of a program requirement, which provide two full-time elementary/middle classroom experiences comprising an entire semester. Opportunities are provided for observations and participation activities related to teaching. The practicum, concurrent with student teaching, provides an opportunity for the discussion of current issues and problems that arise in and out of the classroom.
Prerequisites: College of Education majors only

ELU 393: Clinical Experience with Middle Level Learners II
ELU 392 and ELU 393 are segments of a program requirement, which provide two full-time elementary/middle classroom experiences comprising an entire semester. Opportunities are provided for observations and participation activities related to teaching. The practicum, concurrent with student teaching, provides an opportunity for the discussion of current issues and problems that arise in and out of the classroom.
Prerequisites: College of Education majors only

ELU 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

ELU 412: Education and Care of Infants and Toddlers
Through research, discussion, practical applications in the field, and critical thinking, the students will expand their knowledge and understanding of the child from birth to age three. Ideas and selected approaches will be introduced to increase the students' abilities to create an appropriate educational environment based upon sound child development principles. Recent neurophysical research findings will be stressed and applied to develop strategies and plans for group care of the child from birth to three.
Prerequisites: College of Education majors only

ELU 415: Building Partnerships for Educating Young Children: Families, Schools, and Communities
This course explores the relationships of the diverse people, organizations, and societies responsible for the education of young children. Historical influences, effective teaching strategies and curriculum for working together and successful partnership models are emphasized. Field experiences with parent programs and family agencies are required.
Prerequisites: College of Education majors only

ELU 420: Administration of Early Childhood Programs
This course is designed to provide the knowledge-base necessary for administering and directing diverse early childhood programs. The roles and duties of the administrator, budgets, personnel, environmental factors and public awareness are addressed through projects and readings. Through both field experiences and research, alternative models of early childhood programs are explored.
Prerequisites: College of Education majors only

ELU 452: Current Trends in Reading Instruction
This course will examine current reading programs and major developments in the teaching of reading. Students will analyze programs, approaches, and instructional methods in view of current reading research. In addition, students will take part in discussions concerning the selected topics. Specific topics will vary from semester to semester, as changes occur in topics addressed in current professional journals.
Prerequisites: College of Education majors only

Elementary Education: Pre-K 4

EEU 202: Dispositions Toward Advocacy, Collaboration, and Cooperation
This course is designed to provide participants with a variety of experiences that will develop dispositions expected of professional educators as delineated in professional, state, and institutional standards. Participants will gain knowledge and understanding and foster values about cultural and community diversity to use the information as a basis for connecting instruction to students' experiences. Students who can demonstrate prescribed dispositions will be encouraged to continue through the program. Five hours of fieldwork are required.

EEU 209: Math Foundations for Pre-K 1
This course is designed to prepare prospective teachers to teach mathematics to all children from preschool to grade one. Instructional strategies appropriate for various stages of intellectual development will be examined. The use of manipulatives and technology in the teaching of mathematics will be included. Pre-K through grade 4 candidates will be instructed to apply the principles that guide all mathematics instruction as well as the specific NCTM standards for early childhood that are based on the belief that "students learn important mathematical skills and processes with understanding". Candidates must know and effectively deliver core academic content in the following learning areas and must have the skills to stay current with the research on best practices for content instruction for students, Pre-K through grade 1. Five hours of fieldwork required.
Prerequisites: Pre-Candidacy or College of Education majors with MAT 103 and MAT 104

EEU 211CD: Family Collaboration and Diversity
This course is designed to provide elementary teacher candidates with the professional knowledge, skills, context, and strategies to facilitate learning for students from diverse cultural/linguistic backgrounds. Five hours of fieldwork required.
Prerequisites: Pre-Candidacy or College of Education majors or Pre-K to 4 minor with EEU 202 or SPU 101

EEU 215: Introduction to Early Childhood Education
A survey course focusing on early childhood educational continuum from infancy through age nine. Consideration will be given to historical backgrounds, existing programs, and relevant research in each approach. Participants must know and understand child development, theories of learning, and developmentally appropriate practice when working in the field of early childhood education. Emphasis will be placed upon the role and value of play, working with families, and designing effective learning environments that meet the needs of all learners. Field experiences and observations in preschool programs, day care settings, nursery schools, kindergarten and primary classrooms are an integral part of the course. Eight hours of required fieldwork in Pre-K setting, background checks will be required.
Prerequisites: College of Education majors or Pre-Candidacy or Pre-K minors with PSY 11 & PSY 110. Students who have taken EEU 130 should NOT take this course.

EEU 220VL: Children's Literature for Pre-K 4
This course consists of a survey of quality children's books, including various genre, and awards. The course encourages the wide reading of children's literature, the use of literary elements, the reviewing of criteria used in the evaluation of children's books, and exploring ways to use literature in the classroom. A vital part of this course is the emphasis of literature from diverse perspectives. Where applicable the historical, political, philosophical, and sociological backgrounds of education are blended into the ongoing study of children's books.
Prerequisites: An English Literature class

EEU 225: Assessment I: Observation and Informal Assessment
This course examines the informal assessment of children from pre-kindergarten through grade four. Both traditional and alternative assessment methods, including observation of students, performance-based assessment, and portfolios will be instructed and developed. Use of technology to support assessment and data management will also be addressed.
Seven hours of required fieldwork in Pre-K setting.
Prerequisites: Pre-candidacy in the College of Education or College of Education majors or Pre-K to 4 minors with EEU 215; OR as a co-requisite for Pre-candidacy in College of Education or College of Education majors OR Pre-K-4 minors taking EEU 225 with EEU 215.

EEU 236: The Arts and Pre-K 4 Education
This course provides Pre-K through Gr4 Teacher Candidates with concepts and skills central to the visual and performing arts (Visual Art, Music, Theater, and Dance). Candidate will learn how to construct developmentally appropriate learning experiences in the arts for Pre-K through 4 students and how to integrate these experiences with other subjects. (3 s.h., 4 c.h.)

EEU 300: Early Literacy Development and Acquisition Pre-K 1
Teacher candidates preparing to become Pre-K -1Category II Classroom Teachers, as defined by the International Reading Association, and supported by Interstate New Teacher Assessment Support Consortium (INTASC) and PA Department of Education (PDE) Standards will study foundation knowledge of reading and writing processes and methods of reading instruction in this course. Focus will be upon knowledge and skills necessary for understanding the reading process for beginning readers as one of the interrelated language arts with emphasis placed on belief systems about reading; instruction in relation to effective teaching of standards-based curriculum; perception and reading; language development and its relation to student achievement and success in reading; understanding word structure; skills of word recognition; vocabulary development; and literate environments. This is a required course in the Pre K - 4 Teacher Education Program. Nine hours of fieldwork required.
Prerequisites: College of Education majors with EEU130 or EEU 215

EEU 301: Teaching Literacy in Grades 2-4
This course examines literacy development in grades 2-4 with particular attention to how students create meaning as they read. Teacher candidates learn strategies to develop word study, fluency, meaning vocabulary, and comprehension. The course also prepares candidates to use and evaluate various reading programs, instructional approaches, and materials. This course situates the teaching of reading within theories of learning as they relate to the reading process. This course is part of the professional semester block.
Prerequisites: EEU 300

EEU 303WI: Language Development and Teaching Language Arts In Prek-4
This methodology course will prepare candidates to become effective teachers of the language arts based on research based best practices. The focus will be on learning the development of language in children and its implications for planning effective language arts instruction including using mentor texts as a model for student writing. In addition, candidates will learn instructional strategies for integrating the language arts onto content areas. This course is one of the courses in the Professional Semester block.
Prerequisites: College of Education majors only

EEU 304: Teaching Social Studies for Pre-K 4
Teaching Social Studies Methods in Pre-K4 is designed to teach pre-service teachers, entering the field in Pre-K4, different approaches to teaching social studies. The course helps to prepare pre-service teachers to implement social studies concepts and content where ever they can integrate it into multiple content areas. The course will also focus around the ten National Council of Social Studies Themes which are: Culture; Time, Continuity and Change; People, Places, and Environments; Individual Development and Identity; Individuals, Groups, and Institutions; Power, Authority, and Governance; Production, Distribution, and Consumption; Science, Technology, and Society; Global Connections; Civic Ideals and Practices.
Prerequisites: College of Education majors only

EEU 305: Teaching Science in Early Childhood
Teaching Science in Early Childhood is designed to prepare teacher candidates with a background for teaching science in the primary level classrooms using inquiry centered, hands-on, "minds-on" approach. The connection between inquiry and science content is stressed throughout the course. The course is designed to build content knowledge, pedagogical knowledge, assessment, and connections to other disciplines in the classroom. The course utilizes exemplary science programs grounded in research. Teacher candidates will utilize science tools, materials, media, and technological resources to engage students in the learning of science content. The course models current research that focuses on student achievement and the role of the teacher in the classroom. The course will focus on the planning of inquiry-based science programs, actions taken to guide and facilitate student learning, the assessments made of teaching and student learning, the development of environments that enable to learn science, the creation of communities of science learners, and the planning and development of the school science program.
Prerequisites: 60 credits & College of Ed major or Pre-Candidacy & any BIO lab & EEU225 or SPU318 or SPU221

EEU 306WI: Integrating Principles of Learning for Pre-K 4
This course provides teacher candidates with an overview of current practices in preschool and elementary education that address instructional models and processes, classroom management and professional behavior. Teacher candidates are also presented with current learning theory including issues of child development, diversity and exceptionality. This course includes a preschool/elementary school classroom placement where teacher candidates are given an opportunity to apply theories and implement strategies developed in their coursework.
Prerequisites: College of Education majors only

EEU 309: Teaching Mathematics in Grades 2-4
This is the second of two courses designed to prepare prospective teachers to teach mathematics to all children from preschool to grade four. Instructional strategies appropriate for various stages of intellectual development will be examined. The use of manipulatives and technology in the teaching of mathematics will be included. Pre-K through grade 4 candidates will be instructed to apply the principles that guide all mathematics instruction as well as the specific NCTM standards for early childhood that are based on the belief that "students learn important mathematical skills and processes with understanding." Candidates must know and effectively deliver core academic content in the following learning areas and must have the skills to stay current with the research on best practices for content instruction for students, grade 2 through grade 4.
Prerequisites: Students in the College of Education with MAT 103, MAT 104 and EEU 209

EEU 315: Family and Community Collaboration Partnerships
This course explores the relationships of the diverse people, organizations, and societies responsible for the education of young children. Historical influences, effective teaching strategies and curriculum for working together, and successful partnership models are emphasized. Field experiences with parent programs and family agencies are required.

EEU 325: Assessment Methods II: Formative, Summative, Diagnostic, and Benchmark
This course examines the formal assessment of children from pre-kindergarten through grade 4. Both traditional and alternative assessment methods that include diagnostic, normative, authentic, benchmark, and summative tools will be instructed and developed within this course. Use of technology to support instruction and assessment will also be addressed. Learning appropriate assessment methods is imperative to meet the instructional needs of individual students. Required (except for those students in the dual certification program in Special Education).
Prerequisites: College of Education majors only.

EEU 350: Language Development, Learning to Read and Assessment
Candidates identify the factors that affect language and literacy development, study probable causes of dysfluency and other reading problems, plus collect and evaluate a variety of evidence to evaluate a child's strengths and needs related to literacy. Instructional interventions are designed to meet the needs for differentiated instruction. A field experience is required.
Prerequisites: Students in the College of Education with EEU 300

EEU 390: Clinical Experience I: Pre-K 4
EEU 390 and EEU 391 are segments of a program requirement, which provide two full-time early childhood classroom experiences comprising an entire semester. Opportunities are provided for observations and participation activities related to teaching. The practicum, concurrent with student teaching, provides an opportunity for the discussion of current issues and problems that arise in and out of the classroom.
Prerequisites: College of Education majors only

EEU 391: Clinical Experience II: Pre-K 4
EEU 390 and EEU 391 are segments of a program requirement, which provide two full-time early childhood classroom experiences comprising an entire semester. Opportunities are provided for observations and participation activities related to teaching. The practicum, concurrent with student teaching, provides an opportunity for the discussion of current issues and problems that arise in and out of the classroom.
Prerequisites: College of Education majors only

EEU 415: Family and Community Collaboration Partnerships
This course explores the relationships of the diverse people, organizations, and societies responsible for the education of young children. Historical influences, effective teaching strategies and curriculum for working together with families, and successful partnership models are emphasized. Teacher candidates will gain knowledge and demonstrate an understanding of cultural and community diversity as a basis for instructional planning with ELL awareness and accommodations. Field experiences with parent programs and family agencies are required.

Engineering

EGR 121: Engineering Drawing and Lettering
This course is an introduction to basic mechanical drawing emphasizing multi-view and pictorial drawing, dimensioning, space analysis, graphs and engineering standards. Lettering and experiences with various design tools and media will facilitate the development of the graphic communication skills for the engineer/draftsman/designer.

EGR 130: Engineering Mechanics
This course is an introduction to the study of both statics and dynamics with a concentration in engineering applications. Topics include statics and dynamics of particles and rigid bodies, analysis of structures and distribution of forces in beams and cables, work-energy, impulse-momentum, and systems of particles and rigid bodies.
Prerequisites: PHY 100 & MAT 181

EGR 230: Strength of Materials
This course is an introduction to the study of the mechanical behavior of materials. Topics include transverse shear in beams, Mohr's circle for stress, plastic yield criteria, deflection of beams, fatigue and fracture, column buckling and stresses in thick-walled cylinders.
Prerequisites: EGR 130 & MAT 182

EGR 330: Fluid Mechanics
This course is an introduction to the study of the fluid mechanics. Topics include kinematics of fluid flow and similarity concepts, equations of incompressible fluid flow with inviscid and viscous applications, turbulence, one-dimensional compressible flow, shock waves, boundary layers, separation, wakes and drag.
Prerequisites: PHY 245 & MAT 283

EGR 370: Research in Engineering
This course involves individual research on a specific problem in engineering or a related field under the advice of a faculty member. Students must discuss research opportunities with any faculty members whose areas of expertise interest them.
This course can be repeated for credit.
Prerequisites: Permission of Instructor

English

ENG 10CT: Introduction to Literature
This course is designed to develop and intensify the student's aesthetic, intellectual, and emotional response to imaginative literature. It is designed as an introductory course in literature for students who are not majoring or minoring in literature, is intended to be used almost exclusively as a course in General Education, and is not applicable to the Major in the B.A. in English/General or Professional Writing, to the Specialization in the B.S. in Secondary Education/English, or to the Minor in Literature.

ENG 21: English as a Second Language
This course, for students for whom English is not a native language, develops vocabulary, reading, and writing skills. It does not satisfy the English composition requirement. Grade: Satisfactory/Unsatisfactory. Previously offered as ENG 005.

ENG 22: Introduction to College Composition
This is an introductory writing course designed to increase students' writing proficiency and prepare them for the work of ENG 023. ENG 022 focuses on the writing process and provides an introduction to critical thinking and analytical writing. Students gain experience in writing in variety of genres which may include, but are not limited to, proposals, reviews, personal narratives, digital texts, rhetorical analyses, persuasive essays, reports, and critical analysis. Readings are assigned to provoke discussions, provide opportunities for the analysis and synthesis of arguments, and to generate essay topics. Particular attention is paid to topic generation, focus, purpose and development. In addition, mechanics of Standard Edited American English, which may include diction, grammar, syntax, usage, and structure, are addressed as part of the process of writing; however, the focus of this course is not grammar instruction. Students completing this course must still complete ENG 023 or ENG 025 to fulfill the General Education requirement in composition.

ENG 23: College Composition I
This is a sustained examination of and practice with college-level writing. Students will generally take ENG 023 in their first year of college. The course focuses on the writing process and provides sustained practice in critical thinking, reading, and writing demanded by academic, public, and professional writing. Students gain experience in writing in a variety of genres which may include, but are not limited to, proposals, reviews, personal narratives, digital texts, rhetorical analyses, persuasive essays, reports, and critical analysis essays. Readings are assigned to provoke discussions, provide opportunities for the analysis and synthesis of arguments, and finally to generate essay topics. Particular attention is paid to research processes and the conventions of including research in texts. In addition, the mechanics of good writing, which may include diction, grammar, syntax, usage, and structure are addressed as part of the process of writing; however, the focus of this course is not grammar instruction. ENG 023 (or ENG 025) is a General Education requirement for all students in all majors. In addition, ENG 023 is a prerequisite for all upper-division English department courses.

ENG 25: Honors Composition
A first course within the Honors Program that focuses on critical reading, writing, and thinking within the arts and sciences. Satisfactory completion of this course fulfills the university requirement in composition and the prerequisite for all other upper-division writing courses. This course does not replace ENG 230. Previously offered as ENG 231.

ENG 100: Reading and Writing in the Professions
This course will orient students to the significance of critical reading and different genres of writing in public, professional, creative, and academic careers. Students will analyze a range of print and non-print texts and media from different genres. They will also get experience writing in a variety of different genres. Students will exercise and refine interpretive methods, critical strategies, and writing practices as they also explore and prepare for the varied career opportunities for English and Professional Writing majors.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 101CDCT: World Literature I
World Literature I surveys literary masterpieces from the Ancient period to the Renaissance, focusing on texts outside the traditional canons of American and British Literature. Particular attention will be given to those texts and authors that have had the greatest impact on our literary world.
Prerequisites: ENG23, ENG24 or ENG25

ENG 102CDCT: World Literature II
Intensive reading of selected masterpieces of world literature which reflect the evolution of human thought, to develop in the student the power of discrimination and the habit of evaluating. Either semester may be taken independently.
Prerequisites: ENG23, ENG24 or ENG25

ENG 105CDCT: Experiences in American Literature
This course covers representative and foundational period writings in American literature. Particular attention is given to works that illuminate national literary development, intellectual and cultural history, and ideals.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 106CDCT: Experiences in British Literature
This course draws upon texts of the British Isles from the earliest known writing through the present and includes a variety of genres. In this wide-ranging course, students will read (or otherwise experience) a focused selection of British literature that explores the connections and innovations of the literature that continues to shape the world.
Prerequisites: ENG23, ENG24 or ENG25

ENG 108CTWI: Poetry and Poetics
This course is an introduction to the college level study of poetry. Ideal for writers, teachers, and scholars, the course lays foundations for advanced study in specialized courses. The course builds foundations in the language and forms of poetry by studying masterpieces to illustrate the traditions and aesthetic theories of the art.
Prerequisites: ENG23, ENG24 or ENG25

ENG 111: Bible as Literature
This course offers a study of the Bible from a secular, literary perspective. The Bible contains an astonishingly rich variety of genres including narrative fiction, history, lyric poetry, wisdom literature, prophecy, parable, apocalyptic writing, and letters. Students in this course will gain a deeper understanding and appreciation of this extremely important and influential part of Western literary heritage.
Prerequisites: ENG23, ENG24 or ENG25

ENG 118: Current Themes in Literature: Native American Writers
This course explores Contemporary Native American writers and their storytelling techniques. This course will put the literature of contemporary Native American writers into conversation with other Native meaning makers such as bloggers, journalists, comedians, and musicians, as well as representations of Native peoples in popular culture.
Prerequisites: ENG23, ENG24 or ENG25

ENG 119CTVL: American Genre Film
A genre approach to film study designed to introduce the general student to basic concepts in film criticism, aesthetics and history.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 120WI: Current Themes in Literature: Apocalyptic Fiction
This course explores fiction about global catastrophes and the struggle to survive and rebuild civilization following them. This course is aimed at non-majors and fills basic literature requirements.
Prerequisites: ENG23, ENG24 or ENG25

ENG 121: Current Themes in Literature: Science Fiction In The 20th Century
Critical analysis, interpretation, and evaluation of modern science fiction, novels and shorter works.
Prerequisites: ENG23, ENG24 or ENG25

ENG 122WI: Current Themes in Literature: The Literature of Peace
An analysis of representative peace-oriented writings of various cultures from ancient times to the present as evidenced in poetry, drama, fiction, and non-fiction.
Prerequisites: ENG23, ENG24 or ENG25

ENG 123CT: Current Themes in Literature: American Writers and the Environment
This course uses an Ecocritical approach to representative works in American literature that contemplate nature and reflect on humans' relationship to the natural world. This course is suitable for both majors and non-majors.
Prerequisites: ENG23, ENG24 or ENG25

ENG 124: Current Themes in Literature: American Folklore
This course provides students with an introduction to the major genres of folklore, with an emphasis on American folklore. The relationship between folklore and written imaginative literature is explored. Each student is required to engage in one major collection project.
Prerequisites: ENG23, ENG24 or ENG25

ENG 125WI: Current Themes in Literature: Detective Fiction
This course teaches critical analysis, interpretation, and evaluation of novels and stories of detection. This course is aimed at non-majors and fills basic literature requirements.

ENG 126WI: Current Themes in Literature: Sports in Literature: An Examination of a Public Metaphor
This course offers literary analysis of works which employ sports as a metaphor for the human condition, its social behavior, and the roles of men and women within it. The authors represented include: Robert Coover, Bernard Malamud, Philip Roth, Don DeLillo, Rita Mae Brown, John Updike, Harry Crews, William Faulkner, Ernest Hemingway, Norman Mailer, David Mamet, and Samuel Beckett.
Prerequisites: ENG23, ENG24 or ENG25

ENG 127CTWI: Current Themes in English: Ghost Stories
This course examines the ghost story as a literary genre from its earliest manifestations in myth and legend through contemporary times, including local ghost lore of the Kutztown area.
Prerequisites: ENG23, ENG24 or ENG25

ENG 128: Current Themes in Literature: The Thriller
This course introduces students to popular novels best categorized as thrillers. Thrillers feature heart-gripping suspense and heroic people struggling to survive and often save lives or even the world. Students will read and discuss representative novels from such sub-genres as psychological thrillers, supernatural thrillers, spy thrillers, and military thrillers. Some may be current, while others may be of historical interest, as well. Students may also be asked to watch and discuss films that are categorized as thrillers.
This course is particularly for non-majors who need to fulfill a general education humanities requirement.

ENG 129CDWI: Current Themes in Literature: Jazz Culture
This course explores the special relationship shared by Jazz and Literature. The course will put the literature about jazz culture into conversation with jazz music, jazz film, jazz dance, jazz theater, and other jazz arts.
Prerequisites: ENG23, ENG24 or ENG25

ENG 131: Current Themes in Literature: The Small Town in Literature
The course examines the small town, its attitudes and inhabitants in novels, poetry and drama. Focus is on American writing but some world classics will also be studied.
Prerequisites: ENG23, ENG24 or ENG25

ENG 132CDCT: Contemporary Gay and Lesbian Literature
This course will focus on contemporary gay and lesbian literature with an emphasis on fiction written after the 1969 Stonewall riots. As a relatively new field of literary studies, gay and lesbian literature represents a wide, creative and challenging oeuvre. Novels, poetry, and drama written by and/or about gay men and women will be examined in connection with identity and gender politics, social movements, camp, feminist and queer theory, and the influence of the AIDS epidemic.
Prerequisites: ENG23, ENG24 or ENG25

ENG 135CDWI: Contemporary African Novel
Contemporary African Novel will introduce students to a broad sampling of novels written originally in English or translated into English, from Amos Tutuola's My Life in the Bush of Ghosts (1954) to the present.
Prerequisites: ENG23, ENG24 or ENG25

ENG 136CDWI: Contemporary African Poetry and Drama
Contemporary African Poetry and Drama will introduce students to a broad sampling of poetry and drama from Africa, written in English or in English translation.
Prerequisites: ENG23, ENG24 or ENG25

ENG 137CDCT: Experiences in African American Literature
Students of this course will be challenged as they intensively survey the oral and literary tradition of literature and music written and performed by African Americans from the eighteenth century to the present. Students will read works in different literary and musical genres as they survey African-American literature from its beginnings through the 21st century—poetry, prose, slave narratives, and fiction—including the corresponding history that encourage the literary production and movements in and by Black Americans.
Prerequisites: ENG23, ENG24 or ENG25

ENG 138: Literature Banned in Iran
Inspired by Reading Lolita in Tehran: A Memoir in Books by Azar Nafisi, this course will study some of the works read in secret by Nafisi and her students. These works, banned by authorities in Iran as "corrupt," include some of the masterworks by Vladimir Nabokov, F. Scott Fitzgerald, Henry James, Emily Bronte, and Jane Austen. The class will apply multiple lenses to the works: those of traditional Western critics and those of Dr. Nafisi and her students. This course may be used in general education.
Prerequisites: ENG23, ENG24 or ENG25

ENG 141CTVL: Literature and Film
Designed to give the student an opportunity to consider the similarities and dissimilarities between literature and film. The focus for such a consideration is several literary works that have been made into films or upon which films have been based. Specific attention is given to structural aspects common to both, such as imagery, language, theme, and point of view. Critical theories relevant to literature and film provide the student with additional areas of study.
Prerequisites: ENG23, ENG24 or ENG25

ENG 142: Gothic Literature
This course examines the history of Gothic literature from the late-eighteenth cen-tury Gothic romance to southern American Gothic fiction and the recent Gothic revival. Representative works, their distinguishing features, their recurrent themes and motifs, their social, psychological, and rhetorical implications are also examined.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 145WI: The Fairy Tale
Why do we still care about fairy tales? What makes them so popular and so relatable to our modern lives? To answer these questions, this course examines classic fairy tales, from their earliest oral and written roots to current representations and transformations. It explores the origins of fairy tales and traces their continual evolution in response to their cultural settings. We will study a number of individual tales in depth, read fairy tales and poetry by contemporary authors, and view films that both depict traditional tales and re-interpret them.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 146: Ireland's Literary Landscape
Myths, legends, epics, ballads, keens, fairy tales, folklore, poetry, plays, fiction, satire. Cliffs, dolmens, battlefields, passage tombs, ruined monasteries, ring forts, round towers, manor houses, cathedrals, colleges, modern cites. Rich in both great literature and spectacular landscape, Ireland reverberates in the world's imagination. Designed as a study-abroad exploration of Ireland, this course maps the relationship between the Irish landscape and its literature. Ireland boasts one of the world's richest and most influential literary traditions. Reading both classical and modern Irish literature provides opportunities for students to survey elements of its vital and at times troubled social and cultural history. Site visits buttress readings, illustrating the resonances of the landscape in the literature. This course meets General Education, Literature Minor, and English Major requirements.
Prerequisites: ENG23, ENG24 or ENG25

ENG 171: Friendship in Western Cultural Texts
This course considers friendship, one of the most important elements of human experience, and examines how it is represented in cultural texts (primarily literary works, but also works of film, television, video, and social media). Readings that have been important in the history of friendship, ranging from classical Greek and Roman to British and American texts, will provide background for understanding the ideas about friendship that we have inherited.

ENG 180: Literature and Rock and Roll
This course examines the relationships—social, cultural, and artistic—
between literature and rock music. Course materials include works of literature, broadly conceived, that directly engage with or seek to represent rock music, and rock music that addresses, comments on, or is influenced by literary history and culture. The course explores the notion that rock music should be taken as seriously as literature, and the complementary notion that techniques of literary interpretation can be productively applied to rock's intensities, pleasures, and complexities. Readings will rock, listening will be loud.
Prerequisites: ENG 23 or 24 or 25 or CMP 100 level and up

ENG 219CTVL: Culture and Media
A course designed to apply a group of diverse texts in cultural criticism and theory to the discursive practices of particular media, specifically public relations and advertising.
Prerequisites: ENG23, ENG24 or ENG25

ENG 221: Jane Austen: Early Woman Novelist, Modern Media Property
This course examines the work of Jane Austen in her multiple roles as the pioneering woman novelist of two centuries ago, the major canonical novelist she became recognized as in the twentieth century, and the living presence in contemporary culture that she remains. Approaches will include historicist, feminist, and multimedia.
Prerequisites: ENG23, ENG24 or ENG25

ENG 222: Conventions of English Grammar
This course surveys the fundamentals and conventions of English grammar and syntax. Topics include lexical categories, phrase structure, clause structure, modification, subordination, punctuation, and language acquisition. Additional attention is given to stylistic concerns in order to sharpen students' prose. This course is recommended for those pursuing degrees in Professional Writing, English, Elementary Education, and Secondary Education/English although it is open to any student wishing a deeper understanding of English grammar.
Prerequisites: ENG23, ENG24 or ENG25

ENG 224: American Modernism
American modernism is the study of various cultural responses to rapid social changes brought on by innovations in technology that caused sharp changes to the global economy. This course employs interdisciplinary research methods based on the interplay between literature, popular culture {including art, film, and music), and the events that shaped early twentieth-century Americans' sense that they were now inhabiting an irrevocably changed world. Crucially, the course will explore diverse voices reflecting a variety of responses to modernity.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 225CDWI: Teaching of Adolescent Literature
This course will include the study of several classic literary works commonly read by high school students but will focus more intensively on the study of modern and contemporary works written for adolescents.
Prerequisites: ENG 23, 24, or 25 and BA English & BSED Secondary Education majors only.

ENG 229: Literature and Psychology
In this course, students will use concepts from contemporary psychology to analyze literary works from a variety of genres. Approaching literature through psychology can add greatly to our understanding of literary creation and consumption, and it can teach us about social dynamics and human motivations. This course will consider how authors create their identities, how literary works change our ways of thinking, and how the exchange between literature and psychology increases our understanding of human nature.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 230WICT: Advanced Composition
This course invites students to examine and practice writing as an essential tool for exploring, questioning, and creating knowledge in academic, professional and public spaces. Through advanced study in genre conventions, rhetorical tools, grammatical choices and style, students will be better prepared to analyze and respond to academic, professional or public writing tasks. Students will practice sustained research, close reading, deep revision and reflection on writing processes.
Prerequisites: ENG23, ENG24 or ENG25

ENG 233: Contemporary Fiction
This course examines representative contemporary fiction, both American and international, from about 1990 through the present. Topics covered include the development of contemporary fiction, the use of traditional and new literary approaches and strategies of representation in contemporary fiction, themes and motifs found in contemporary fiction, and the historical and cultural contexts of these literary works and themes.
Prerequisites: ENG23, or ENG24, or ENG25

ENG 234: Ethnic American Literature
This course is an introduction to selected literary writings by 20th-century Asian-American, Native American, and Latino authors, with a critical survey of major themes as well as narrative techniques and strategies.
Prerequisites: ENG 23, or ENG 24, or ENG 25 and BA English, BSED SEU English, Multicultural Studies minor only; other majors contact your home department for more information.

ENG 235CTWI: The American Autobiography
The American Autobiography treats a broad spectrum of 18th to 20th-century autobiographies which are characterized by a great diversity in technique, theme, and authorial background.
Prerequisites: ENG23, ENG24 or ENG25

ENG 236: Black American Literature: Poetry/Drama
An exploration of the poetry and drama of Black Americans, beginning with Phillis Wheatley and William Wells Brown as precursors of the Black literary tradition, and ending with, as the focal point, contemporary poets and dramatists.
Prerequisites: ENG23, ENG24 or ENG25

ENG 237: Black American Literature: Novel
An exploration of the prose writings of Black American novelists and essayists, beginning with the slave narratives as prototypes and ending with, as the focal point, the latest contemporary novels.
Prerequisites: ENG23, ENG24 or ENG25

ENG 238: African Diasporic Literature
African Diasporic Literature will introduce students to a broad sampling of the literature written originally in French, Spanish, and Portuguese, and translated into English, by people of African descent dispersed in such places as Argentina, Brazil, Colombia, Cuba, Dominican Republic, Ecuador, Guadeloupe Haiti, Mexico, Peru, Puerto Rico, and Venezuela. These, and other, places where people tracing their descent to Africa reside, constitute the African Diaspora. The course will be found useful by students in English, Secondary Education, Modern Languages, Women Studies, and General Education.

ENG 239CTWI: Pioneering Pulp Fiction: British Working-Class Literature 1800-1860
This course will examine the literature, publishing history and rise of nineteenth-century British working-class fiction from 1800-1860, namely, working-class autobiographies, the Newgate novel and the penny dreadful. Sold by the chapter on street corners, the Newgate novel and the penny dreadful are the literary representatives of the Victorian working-class culture and were the only affordable literature available for the emerging literate of Victorian England. This literature of the streets grew so popular, it became the publishing phenomenon of the early nineteenth century and is experiencing an academic resurgence with contemporary interest in Victorian popular culture.
Prerequisites: ENG 023 or equivalent.
Prerequisites: ENG23, ENG24 or ENG25

ENG 242CTVL: International Cinema
This course is designed to explore the underlying structures of film as a communications medium and as an art form. This course will include both foreign and American films.
Prerequisites: ENG23, ENG24 or ENG25

ENG 244: Documentary Film and Theories of Representation
This course is a study of the documentary film genre, its history, and the theories of representation that have informed its different modes. Whether the intention of the documentary film or video is to preserve its subject, persuade the audience, or analyze a particular person or situation, students will consider the text from a number of perspectives, including that of the filmmaker, the film subject, and the viewer. In conjunction with documentary film history, students will read some of the theory that informs the production and analysis of this filmic genre. This course is suitable for both majors and non-majors.
Prerequisites: ENG23, ENG24 or ENG25

ENG 246CDCT: Feminist Film Theory
In this course, students will investigate the intersections of feminist film theory and representations of women's experience in international film, as well as explore feminist film practices within the narrative, documentary and avant-garde traditions. (This course is also offered under the WST 246 designation.)
Prerequisites: ENG23, ENG24 or ENG25

ENG 247: Modern Latin American Literature in Translation
An in-depth study of outstanding Twentieth Century literary works of Latin American writers. The survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry.
Prerequisites: ENG23, ENG24 or ENG25

ENG 253: German Literature in English Translation I
GER253 This course is an in-depth study in English translation of some outstanding works in German literature. It is devoted to German writers from Lessing to E.T.A. Hoffmann. Its sequel, ENG/GER 254, is a continuation of ENG/GER 253 and treats outstanding writers from Realism through the 20th century. Either semester may be taken independently.
Prerequisites: ENG23, ENG24 or ENG25

ENG 254: German Literature in English Translation II
GER254 This course is an in-depth study in English translation of some outstanding works in German literature from Realism through the 20th century. It is a continuation of GER 253. Either semester may be taken independently.
Prerequisites: ENG23, ENG24 or ENG25

ENG 255CD: Masterpieces of Russian Literature in English Translation I
This course entails an in-depth study in English translation of selected masterpieces of Russian literature. This course deals with Russian literature from Pushkin through Tolstoy.
Prerequisites: ENG23, ENG24 or ENG25

ENG 256CD: Masterpieces of Russian Literature in English Translation II
This course entails an in-depth study in English translation of selected masterpieces of Russian literature. This course deals with Chekhov, continues through Tolstaia and includes a survey of modern Russian poetry.
Prerequisites: ENG23, ENG24 or ENG25

ENG 257: Masterpieces of French Literature in English Translation I
This course entails an in-depth study of works from French literature selected for their humanistic character, their artistic quality and their present vitality. Primary emphasis is the appreciation of the innovative approach of each author to the universal themes of love and death, Man and Nature, Man's relation to God, war and peace, freedom and bondage. This survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry (in English). The first semester (I) deals with French literature until 1800.
Prerequisites: ENG23, ENG24 or ENG25

ENG 258: Masterpieces of French Literature in English Translation II
This course entails an in-depth study of works from French literature selected for their humanistic character, their artistic quality and their present vitality. Primary emphasis is the appreciation of the innovative approach of each author to the universal themes of love and death, Man and Nature, Man's relation to God, war and peace, freedom and bondage. This survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry (in English). The second semester (II) deals with French literature until 1800 to the contemporary period.
Prerequisites: ENG23, ENG24 or ENG25

ENG 260: Issues in Composition and Rhetoric Studies
This course provides undergraduate students an introduction to the history, traditions, issues, problems, and debates of Composition and Rhetoric Studies. Despite its long history and growing influence in academia, many students of English are unfamiliar with the depth and breadth of the field of Composition and Rhetoric. It is the goal of this course to familiarize undergraduate students with the historical development of Composition and Rhetoric Studies and the shape of the filed today. This course will include inquiry into the major theoretical, professional and disciplinary issues and challenges of the field. The course also provides an introduction to research methods and resources in Composition and Rhetoric, as well as experience writing academically in and about Comp / Rhet Studies.
Prerequisites: ENG23, ENG24 or ENG25

ENG 265CPWI: Research Writing in the Humanities
This course provides advanced study of research and research writing in the humanities that will inform students' work across disciplines, professions, and contexts. Moving beyond the basics of using search engines, students will develop information literacy as they navigate databases and web spaces, closely read academic studies from across disciplines, and interpret visual representations of data. The course moves beyond "library research," as students conduct first –person research, such as ethnography, case study, oral history, interview, or survey. Students will draft, revise, and present their original research. This course is an elective in the English major.
Prerequisites: ENG23, ENG24 or ENG25

ENG 270: Short Story
The development of the short story as a distinct literary type traced by means of wide reading and close analysis.
Prerequisites: ENG23, ENG24 or ENG25

ENG 272: Women and Violence in Contemporary World Texts
This course will investigate the complex relationship women around the world have with violence. Though formerly only regarded as those in need of protection, women who perpetrate violence have forced a shift in gender roles ascribed to violence. Looking at written and visual texts that depict women as both victims/survivors and perpetrators of violence will allow students to discuss the ways women's shifting role in violent movements and in texts has changed both the gender ideology and the political climate in a rapidly globalizing world. This course work will look at the ways women's relationship to violence is constructed and question ideas that women are "naturally" non-violent. While this course does not condone the use of violence, it does study ways women use violent tactics to resist oppression, enact revenge, and find a voice.
Prerequisites: ENG23, ENG24 or ENG25

ENG 274CDWI: Women, Writing and Rhetoric
While the spoken and written word have long been studied for their rhetorical intent and success, this study has been conducted primarily through a male lens. As such, womens contributions to rhetoric throughout history, like so many other aspects of womens experience, have yet to be fully explored. Women, Writing, and Rhetoric seeks to expand the study of rhetoric with a multi-layered consideration of how rhetoric has been informed by, and informs, a female consciousness. This is an elective course for English majors, Womens Studies minors, and those seeking a concentration in Composition, Rhetoric, and Literacy Studies.
Prerequisites: ENG23, ENG24 or ENG25

ENG 275CDWI: Archetypal Women in Myth and Literature
This course emphasizes the archetypal images found in portrayals of women from Greek mythology to the present.
Prerequisites: ENG23, ENG24 or ENG25

ENG 276CDWI: Nineteenth Century Women's Literature
This course covers selected literary texts by nineteenth-century British and American women writers. It also focuses upon gender-specific conflicts and changing perceptions about the nature, roles, and rights of women during this important era in the history of literature by women.
Prerequisites: ENG23, ENG24 or ENG25

ENG 278: Women Writers Around the World
The focus of this course is modern and contemporary literature by women around the world. Students will read selected fiction, non-fiction and poetry, and examine these works primarily, but not exclusively, from the perspectives of Feminist Critical Theory.
Prerequisites: ENG23, ENG24 or ENG25

ENG 279: U.S. and Canadian Women Writers
This course explores some of the major U.S. and Canadian women writers from approximately 1880 to the present. Taking a multi-genre and multi-critical approach, students will study the important contributions U.S. and Canadian women authors have made and are making to modern and contemporary literature. This course is suitable for both majors and non-majors.
Prerequisites: ENG23, ENG24 or ENG25

ENG 283: AMERICAN MODERNISTS IN LONDON
To be offered as study-abroad in London course, American Modernists in London provides the opportunity to delve into a significant moment in literary history. At the turn of the twentieth century, London was seen as the capital of modern world culture, attracting America's most significant writers, including Henry James, Mark Twain, Stephen Crane, Bret Harte, Jack London, Robert Frost, Ezra Pound, H.D. and T. S. Eliot. Students will read works written by these writers while living in London, and they will visit and explore the places these writers frequented. The class will map the influence of turn-of-the-century London on the development of American identity at a pivotal historical moment.
This course satisfies electives in the English major as well as General Education Humanities and LAS electives.
Prerequisites: ENG23, ENG24 or ENG25

ENG 285CTWI: Victorian Sensation Fiction
This course will examine the genre of Victorian popular novels known as Sensation Fiction. These novels thrilled and horrified the Victorian middle class readers with tales of sinister conspiracies, bigamy, murder, sexual scandals, and madness. Students will study the cultural role and unusual narrative forms of this subversive and pleasurably horrifying popular literature.
Prerequisites: ENG23, ENG24 or ENG25

ENG 300: History of the English Language
This course focuses on the origins and development of the English Language, tracing the changes in phonology, morphology and lexicon from its Indo-European roots through the modern period. Focus will be given to the Old and Middle English periods and the early modern era. This linguistic evolution will be considered against the background of relevant cultural and historical developments. Students will also become familiar with some basic concepts of international phonetics and the terminology of linguistics.
Prerequisites: ENG23, ENG24 or ENG25

ENG 314: Social Media Analytics
Students will learn how to collect, analyze, and derive insights from social media information. Students will also learn how to craft effective technical reports based on information generated from social media analysis. By examining and reporting effective strategies for creating social media content, students will become better at producing their own social media content, which is an increasingly important ability in a wide range of fields. Students will develop skills in using both freely available and industry-standard digital social media analytics tools.
Prerequisites: ENG 23 or ENG 24 or ENG 25 & sophomore status or permission of the instructor.

ENG 317CTWI: From Science to Séance: Pseudoscience and Spiritualism in Nineteenth-Century Literature
This course examines the nineteenth-century fascination with bizarre phenomena such as mesmerism, séances, and weird science of all kinds. Students will read British and American literary and theoretical texts that engage with contemporary scientific, pseudoscientific, and spiritualist theories and practices, including evolution, phrenology, and mediumship.
Prerequisites: ENG23, ENG24 or ENG25

ENG 321: Early and Medieval Literature
This course will explore some of the literature of the Middle Ages (ca. 500 - 1500) in translation. Readings will be drawn from the Anglo-Saxon period, the era of English and French romance, and the Middle English period. We will read in a number of genres, including epic, romance, fabliau, saga, and allegorical. Special focus will be given to Chaucer.
Prerequisites: ENG23, ENG24 or ENG25

ENG 323: Native American Women Writers
This course provides undergraduate students an introduction to selected Native American Women Writers across several genres. Students will experience a variety of writings which move across traditional boundaries (such as nonfiction, poetry, fiction, theory, activist, and so on). The course also provides students an opportunity to consider Indigenous Feminism in theory and practice. Students will consider issues of gender, identity, cross-cultural understanding, individuality and community by intellectually engaging with the texts and performances of Native American women.
This class may also include the opportunity for digital storytelling, blogging, interviewing, and community engagement.
Prerequisites: ENG23, ENG24 or ENG25

ENG 325: Seventeenth Century Literature
The writings of Browne, Burton, Donne, Marvell, Bunyan, and Milton studied within the framework of English life from 1600 to 1675.
Prerequisites: ENG23, ENG24 or ENG25

ENG 327: Eighteenth Century Literature I
Poetry, neoclassical literary criticism, and drama from 1660 to 1780 with consideration of central issues and prevailing attitudes reflected therein; emphasis on major writers.
Prerequisites: ENG23, ENG24 or ENG25

ENG 328: Eighteenth Century Literature II
This course addresses English literature of the eighteenth century, primarily but not only prose, especially the novel.
Prerequisites: ENG23, ENG24 or ENG25

ENG 329: Feminist and Gender Theories
This course provides an overview of the leading currents, issues, and debates in feminist literary theory, including gendered voice, difference vs. equality feminism, essentialism, and queer theory. Students will read theoretical and literary selections from nineteenth-, twentieth-, and twenty-first century feminists.
Prerequisites: ENG23, ENG24 or ENG25

ENG 330: Shakespeare on the Stage
A workshop, offered only in summer sessions, designed to supplement courses in Shakespeare with reference to the staging and performance of Shakespeare's plays. The course is based on reading and examining selected plays through the use of videotapes, films, and available staged performances at summer theatres.
Prerequisites: ENG23, ENG24 or ENG25

ENG 331CTWI: Shakespeare's Earlier Plays
A study of a selection of Shakespeare's earlier plays, including among others, The Comedy of Errors, Richard II, Richard III, Henry IV Parts I and II, Henry V, Romeo and Juliet, Much Ado About Nothing, As You Like It, and Twelfth Night, and of the social, historical, and literary background necessary for their understanding and appreciation. Recordings, movies, and, when possible, "live" and TV productions are utilized.
Prerequisites: ENG23, ENG24 or ENG25

ENG 332CTWI: Shakespeare's Later Plays
A study of a selection of Shakespeare's later plays including among others, Hamlet, Othello, King Lear, Macbeth, Troilus and Cressida, the Winter's Tale and The Tempest, and of the social, historical, and literary background necessary for their understanding and appreciation. Recordings, movies, and, when possible, "live" and TV productions are utilized.
Prerequisites: ENG23, ENG24 or ENG25

ENG 333: Digital Rhetoric and Writing
This course focuses on honing the analysis and production of contemporary digital texts by extending longstanding academic conceptions rooted in the printed word alone. Specifically, the course examines how emerging areas within Rhetoric and Composition such as visual rhetoric, digital writing, and multimodal style are vital in cultivating sophisticated, responsive methods of analysis and production in a variety of online texts. Students will familiarize themselves with issues surrounding the creation, revision, and deployment of digital texts to better understand the complex rhetorics involved when arranging words, images, sounds, coding languages, available designs, fonts, colors, and spaces to make new kinds of 21st century texts and arguments.
Prerequisites: ENG23, ENG24 or ENG25

ENG 334: Introduction to English Linguistics
A comprehensive study of the grammar of American English: its sound system, its morphological system, and its syntax from the structural and generative-transformational standpoints.
Prerequisites: ENG23, ENG24 or ENG25

ENG 335: The Rhetoric of Literature
Cooperative investigation of the relationships between literature and rhetoric. Selected works of major literary figures will be examined with reference to their persuasive power and their ability to produce attitude change.
Prerequisites: ENG23, ENG24 or ENG25

ENG 337: HON: Gothic/Horror Literature
This course examines the history of Gothic literature from the late-eighteenth century Gothic romance to southern American Gothic fiction and the recent Gothic revival. Representative works, their distinguishing features, their recurrent themes and motifs, their social, psychological and rhetorical implications are also examined.
Prerequisites: ENG23, ENG24 or ENG25

ENG 338: HON: Crime and Punishment in Literature
This is a course in which students participate in critical analysis and interpretation of an international selection of classic works of literature from Greek drama to modern absurdist stories that create the theme of crime and punishment.
Prerequisites: ENG23, ENG24 or ENG25

ENG 339: New Media, Story, Change
This course investigates the crucial role that story plays in creating impactful campaigns within new and emerging media environments. Particular attention will be paid to the ways in which story continues to be one of the most important rhetorical tools in community and social movements seeking change. Readings will draw from a wide range of disciplines including rhetoric, literacy studies, marketing, public relations, communication studies, social media theory, cognitive psychology, and social movement studies.
Prerequisites: ENG23, ENG24 or ENG25

ENG 340CTWI: Romantic Movement
The works of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background, biography, and critical doctrine.
Prerequisites: ENG23, ENG24 or ENG25

ENG 341CDWI: Introduction to Afro-Caribbean Literature
Students of Introduction to Afro-Caribbean Literature study various genres and authors from West Indian countries, including Cuba, Haiti, Martinique, Jamaica, and Trinidad. Authors' works were originally written in English or translated into English. While students will examine selected Afro-Caribbean texts from within the traditional model of literary criticism, including writing style and skill, content significance, and thematic representation, they will also engage the text's informing agents, including the critical, socio-political, cultural, and historical motivations that influence the authors' texts.
Prerequisites: ENG23, ENG24 or ENG25

ENG 342: American Poetry in the Long 1960's
The course is devoted to analysis of poetry .and poetics written by American authors during the period currently referred to as the long nineteen--sixties, encompassing the late nineteen-fifties' intensification of the Cold War through the mid-nineteen-seventies, when the Vietnam War and Watergate hearings drew to a close. Students will read closely a variety of poetic forms, both free verse and traditional, produced by authors associated with numerous schools and movements, including the Beats, the confessional poets, the New York School, the language poets, and Black Arts. Students will examine significant poetics produced during the period, and will discuss those theories alongside popular cultural appropriations of poetical form. Students will read canonical and non-canonical texts, and will think through texts' social, political, and aesthetic contexts, situating the works in two turbulent decades of American culture.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 343CTWI: Nineteenth Century Studies: Poetry 1840-1890
The major Victorian poets, Browning, Tennyson, and Arnold, are studied in detail, and certain minor poets are examined.
Prerequisites: ENG23, ENG24 or ENG25

ENG 344CTWI: Nineteenth Century Studies: Prose 1840-1890
Study of representative prose works in the novel and the essay.
Prerequisites: ENG23, ENG24 or ENG25

ENG 345: Rhetoric, Democracy, Advocacy
The connection between rhetoric and democracy is an old one dating back to the origins of both concepts in Western traditions. Simply put rhetoric the skilled use of argument and persuasive discourse and democracy were seen as ways to replace violence as the primary means of governing and maintaining social order. However, the connections between democracy and rhetoric may not be immediately apparent indeed the two may appear to be in opposition in contemporary society. This course argues that the intimate connections between rhetoric and democracy are critical to retain and reclaim for the health of democratic society and culture. In the era of globalization and digital media these connections are even more important. A healthy democracy requires citizen advocates who are skilled in the analysis of public discourse as well as in the production of persuasive texts.
Prerequisites: ENG23, ENG24 or ENG25

ENG 347: Activists Writing Media: Composing Democratic Futures
The early twenty-first century has seen an explosion in the development, re-purposing, and critical use of new media by political activists. Unlike theoretical debates regarding the relative merits of new media compared to more traditional media or the vigorous business interest in "web 2.0" for its marketing possibilities, activists have approached new media in a rhetorical fashion. For activists, new media are part of the "available means" with which political organizing and campaigning take place. This course explores the multiple and complex ways in which activists have made use of and rewritten what counts as media, who counts as an authorized writer, and even what counts as writing. The course will investigate examples of activist campaigns, emergent theories of literacy, and the role of literacy training for the development of activists and how this is often at odds with the literacy instruction students receive in secondary and post-secondary schooling.
Prerequisites: ENG23, ENG24 or ENG25

ENG 348WI: CONTEMPORARY DRAMA
Contemporary Drama examines works in English of the previous twenty years. The course includes original plays written in English, translations of plays from other languages into English, as well as new interpretations of revived works. The course discusses themes and subjects in plays relevant to contemporary life: the portrayal of politics, economics and business, treatment of the individual and family, philosophy, religion, sexuality, gender, ethnicity and race, for some examples. The course will also note developments in and illustrations of dramatic theories.
Prerequisites: ENG23, ENG24 or ENG25

ENG 350CTWI: The Times of Melville and Whitman
A study in depth of Melville and Whitman as creative forces in the shaping of American poetry and prose. Consideration is given to the cultural background from which their works derive.
Prerequisites: ENG23, ENG24 or ENG25

ENG 351CTWI: American Literary Realism: 1865 - 1910
This course will focus on an analysis of Regionalism, Realism, and Naturalism in American literature between 1865 and 1910. Special attention will be paid to the works of Mark Twain, Henry James, Kate Chopin, Stephen Crane, and New England Regional writers.
Prerequisites: ENG23, ENG24 or ENG25

ENG 353CTWI: Development of the Drama
A comprehensive study of world drama from its beginnings to the late 19th century.
Prerequisites: ENG23, ENG24 or ENG25

ENG 354: Literacy Studies
This course provides undergraduate students with an introduction to the field of Literacy Studies, including its scientific and theoretical foundations, historical and current perspectives on literacy practices, research methods, and implications for teaching reading and writing. A special emphasis is placed on digital literacies. This course is aimed at deepening and complicating students' understandings of literacies, as they learn to investigate personal and community assumptions about reading and writing, conduct primary and secondary research, and consider the consequences of Literacy Studies for learning, teaching and critically navigating culture. This is an elective course for the undergraduate English major.
Prerequisites: ENG23, ENG24 or ENG25

ENG 355: Development of the Novel
The evolution of the world novel traced from its beginnings to World War I.
Prerequisites: ENG23, ENG24 or ENG25

ENG 357: HON: Gerard Manley Hopkins: Poetry and Prose as Spiritual Autobiography
This course provides a comparative and intertextual analysis of the poetry and prose of Gerard Manley Hopkins as spiritual autobiography with a focus on his perspective of the Anglo-Gaelic milieu of the late 19th/early 20th century.
Prerequisites: ENG23, ENG24 or ENG25

ENG 358: The Rhetoric of Style
This course focuses on understanding historical and contemporary rhetorical conceptions of style in order to foster more sophisticated invention, analysis, and production of 21st century compositions. Specifically, the course examines the idea of style from its ancient understandings rooted in orality up to modern iterations rooted in multimodal composition and digital writing.
Prerequisites: ENG23, ENG24 or ENG25

ENG 360CTWI: Contemporary British and Irish Literature
British and Irish poetry, drama, and prose fiction since 1965 analyzed in form and content with special attention to the relationship of literary techniques, and cultural, historical, and theoretical context.
Prerequisites: ENG23, ENG24 or ENG25

ENG 361: Tolkien and Lewis
J.R.R. Tolkien has been called "the Author of the 20th Century," and C.S. Lewis is likewise one of the best known names among literary and academic figures of the last 100 years. The main goal of this course is to try to explain why two rather marginalized Oxford professors now appear, posthumously, as dominant literary figures for their generation and succeeding ones. While the main concentration will be on the works of Tolkien and Lewis, and their impact on twentieth and twenty-first century fiction, we will also consider the circumstances of their lives and friendship with each other and the group known as the Inklings.
Prerequisites: ENG23, ENG24 or ENG25

ENG 363WI: Modern Drama
Reading and analysis of selected plays from the time of Ibsen to the present, thus providing a comprehensive view of the best dramatic literature of the Modern American, British, and European theatre since 1870. Recordings, television productions, and stage performances are incorporated whenever possible.
Prerequisites: ENG23, ENG24 or ENG25

ENG 364CTWI: Modern Poetry
Representative poetry published since 1870 in England and America as the basis for a study of forms, aspects, and tendencies in contemporary verse, with particular reference to poetry as a criticism of modern life.
Prerequisites: ENG23, ENG24 or ENG25

ENG 365CTWI: Modern Novel
Studies of the world novel since World War I.
Prerequisites: ENG23, ENG24 or ENG25

ENG 367: Symbol and Theme in 20th Century American Literature
Symbol and theme as used by representative major American poets, dramatists, and novelists of the Twentieth Century.
Prerequisites: ENG23, ENG24 or ENG25

ENG 368WI: Postmodernism
What is the postmodern? When did it begin-and is it over? Is it an artistic movement or a socio-cultural condition? And why do people get so agitated whenever its name is spoken? To work toward answers to these questions, the course examines representative postmodern literature and arts across a variety of media and genres, with an emphasis on texts produced in the late 20th century in America, with the occasional foray to continental Europe. Primary texts include novels, rock music, theory, films, comics, and visual arts-and some texts that try to incorporate all of the above.
Prerequisites: ENG 100

ENG 370: Selected Topics in English
The course provides focus on a particular figure, period, or topic in language, literature, and/or rhetoric. Students may register for the course for up to six total semester hours of credit; students may not repeatedly register for a specific iteration of the course.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

ENG 371: Independent Study
A course for students who wish to study the work of a particular literary figure or a special topic in language, literature, or communications in depth. Students may register for this course more than once, up to a maximum of six semester hours of credit, so long as they do not repeat the same topic.
Prerequisites: ENG23, ENG24 or ENG25

ENG 373: Native American Writing and Rhetoric
This course provides undergraduate students an introduction to selected rhetorical strategies, techniques, and tactics of contemporary Native American peoples in four genres: creative nonfiction, stand-up comedy, journalism, and music. The course also provides students an opportunity to research how certain Native American writers, thinkers, performers, artists, or speakers carve space for their voices in the crowded space of modern intellectual thought and practice. Students will consider issues of identity, cross-cultural understanding, individuality and community as they learn to recognize and practice accretive thinking, rhetorical sovereignty, and argument through imaginative storytelling by intellectually engaging with the texts and performances of indigenous practitioners. This class may also include the opportunity for digital storytelling, blogging, interviewing, and community engagement.
Prerequisites: ENG23, ENG24 or ENG25

ENG 379CTWI: Literary Theory
This course examines the major critical and theoretical texts of western civilization along with the major modern critical approaches to the study, interpretation, and evaluation of literature, and applies such theory to literary works from primarily western writers. This course explores a number of questions and issues that are central to literary studies. Namely, what is literature? What is the function of literature? Is it an aesthetic object that embodies universal truths or a socially constructed text that participates in the cultural discourses and power relations that create it. How do we analyze and evaluate literature in terms of what it represents? What is the role of the literary critic? Are there correct and incorrect ways to read literature? What is the relationship between writers, readers, society, and literature? What do our individual understandings of literature say about each of us as writers, readers, teachers, and literary scholars?
Prerequisites: ENG 100

ENG 380: Professionalization Seminar
This course will provide students with the tools they need to make the transition from undergraduate academic study to professional application of skills, apply for and obtain internships, and identify and work towards specific post-graduation goals. Students will learn about internship and professional opportunities for English and Professional Writing majors, create professional resumes and cover letters, complete effective social media profiles, create a professional website, network with professionals, and apply for and obtain internships. Students will be required to update the professional website during the internship to include work done during this experience.
This is a required course for all undergraduate English and Professional Writing majors and should be taken prior to the for-credit internship experience.
Prerequisites: ENG23, ENG379, at least 75 overall credits & 33 SH of ENG course work

ENG 382: Film Production Theory
This is a course that uses concepts in Film Theory and Criticism to guide students in the production of a short narrative film. After an intensive study of theoretical and stylistic models found in the work of contemporary and past master film makers, students working collaboratively in groups will produce, script, shoot, and edit a short fictional film on digital video. In this course, students will explore how each filmmaker can act as a role model to embody a distinct point of view expressed in the audio-visual language of cinema; students will similarly learn how to embody their own viewpoint through the medium of film.
Prerequisites: Take ENG 23, 24 or 25, or the permission of the instructor and one of the following courses: ENG 100, 119, 141, 219, 242, 244, 246, 379, WRI 208, 212, 213, 340

ENG 390: Professional Writing/English Internship
The Professional Writing/English internship creates the opportunity for supervised, practical work experience in professional contexts wherein the skills attendant to English Studies are valued and can be developed. Internships are to be secured by the student under the advisement and coordination of English Department faculty, following ENG/WRI 380 Professionalization Seminar. The internship will extend the student's academic studies into the workplace and may fall into such professional categories as Editing, Journalism, Publishing, Public Relations, Social Media, Research, Campaign Organization, Communications, or Marketing. This internship may be taken for three, six, or nine credits.
Prerequisites: Passed ENG/WRI 380 and good academic standing and department approval.

ENG 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

ENG 398: See Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.
Prerequisites: ENG23, ENG24 or ENG25

ENG 430: Rhetorical Traditions and Contemporary Renditions
This course studies the histories of rhetoric as well as contemporary intersections and applications across disciplines. Depending on the particular interests of the professor, one or more specific area(s) such as media, popular culture, sciences, feminisms and gender studies, composition studies, literary theories, literacies, global issues, pedagogy, arts, and political discourse will be chosen for a more detailed study. Critical to the course are the writing assignments that allow students to examine issues in more depth and explore alternative rhetorical stances and situations.

ENG 438: Major Modern Dramatists
This course is a brief critical survey of British and American drama of the twentieth century with primary focus on the work of such major figures as Shaw, O'Neil, O'Casey, Miller, Williams, Albee and Pinter.
Prerequisites: ENG23 or its equivalent, 90 SH earned overall, or Graduate level status

ENG 470: Selected Topics in English
This course will deal in depth with a specific issue or area in English or a literary figure not covered or only covered briefly in another graduate English course. The course may be taken up to two times (6 credit hours), provided that the selected topic is different.
Prerequisites: ENG23, ENG24 or ENG25

ENG 493: The Twentieth Century British Novel
Comparative studies of selected works of Joyce, Lawrence and Woolf. Analysis of symbol and archetype as structural and thematic device. Rhetorical comparison of elements of style.
Prerequisites: ENG23 or its equivalent, 90 SH earned overall, or Graduate level status

English Education

ENU 405WICT: Teaching Writing
This course is designed to aid future and current teachers, tutors, and professors in navigating the challenges of teaching writing in the 21st century. Students will develop their own teaching philosophies, grounded in the study of composition theory and pedagogy. Whether teaching writing at the elementary, secondary, or post-secondary level, students will be well-informed of the challenges and possibilities of developing literacies and equipped to create their own writing assignments in the classroom.
As a 400-level course, both undergraduates and graduate students may take this class.
Prerequisites: ENG23 or ENG24 or ENG 25 or any CMP level 100 course & any CMP level 200 course

ENU 407: Teaching Literature
This course focuses on the understanding of the various forms, their development and proliferation, along with instruction in newer methods of teaching literature at the high school level.

Environmental Science

ENV 35: Powering Our Future: Energy, Climate Change, & Society
This course introduces our past, present, and future sources of energy and their advantages and limitation. Society's non-sustainable pattern of energy use from both a supply and environmental perspective will be discussed including the impacts of climate change. The technical, environmental, political, and societal problems associated with the eventual conversion to renewable energy resources will be investigated. A global perspective for the delicate interplay between energy and society will be gained. This course does not satisfy major, minor, or specialization requirements for Secondary Education and/or Liberal Arts Science Majors.

ENV 100: Introduction to Environmental Science
A multi-disciplinary introduction to environmental problems and their potential solutions. Lecture and laboratory work are supplemented by field trips.
Prerequisites: Registration Restriction- Restricted to Environmental Science majors. Please check with the Biology department if you believe you should be allowed to take this course for your major/minor.

ENV 210: Environmental Geology
A study of the relationship between man and his geological habitat. Problems hat society faces in using the earth are examined, including case histories of natural disasters and human interactions with earth materials. Geo-chemical cycles, geological materials, and land use will be examined as they relate to environmental quality.
Prerequisites: GEL 100 - 101

ENV 220QLWI: Environmental Analysis
Qualitative and quantitative methods of analytical chemistry are explored by utilizing a “hands-on” approach applied to a variety of environmental samples. The course focuses on the basic components of each analytical technique or instrument, their range of environmental applications, their advantages and limitations, and the physical and chemical phenomena which form the basis of the analytical method. Basic sampling plans and designs are also discussed due to their complementary nature.
Prerequisites: CHM 102

ENV 222WI: Environmental Biology
An introduction to the causes and symptoms of environmental deterioration. The effect of ecological perturbations on ecosystems especially the biota. Field experiences are an integral part of the course.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

ENV 224: Applied Environmental Microbiology
This is an introductory microbiology course emphasizing prokaryotic functional anatomy, metabolism, and genetics. Principles of diseases and a basic introduction to immunology are included which provide a background for an overview of a variety of common diseases. Applied and environmental aspects of food, soil, and water microbiology are stressed in both the lecture and the laboratory. The laboratory is an integral portion of the course and emphasizes laboratory techniques, physiological testing, food and water analysis, and identification of unknowns.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

ENV 370: Research in Environmental Science
This course involves laboratory work and/or a field study and/or library research on a selected topic in environmental science. The work will be supervised by one or more faculty members associated with the Environmental Science Program. The research topic will be acceptable to both the supervising faculty and the student. A written proposal outlining the research project must be submitted to the supervising faculty member's Department Chairperson.
Prerequisites: 18 SH of core or common courses in Environmental Science major, consent of the instructor, and the approval of the supervising faculty member's department.

ENV 380: Senior Seminar in Environmental Science
An interdisciplinary seminar devoted to the analysis of selected environmental problems.
Prerequisites: Senior standing or permission of the department.

ENV 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

ENV 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

Finance

FIN 200: Introduction to Finance
The course introduces students to the field of finance. The three areas of focus are financial management, investments, and financial markets and institutions. Recurring themes include shareholder wealth maximization, the risk/return tradeoff, and the continuing evolution of the financial system.
Prerequisites: ACC 121 and ECO 10 or ECO 11 or ECO 12

FIN 350QL: Financial Management
This course introduces students to the types of issues faced by financial managers and the techniques available to make the best possible decisions. The primary goal of shareholder wealth maximization, as well as the constraints under which management must operate when pursuing this goal, are emphasized throughout the course. The course also provides thorough treatment of the analysis of financial statements, time value of money, stock and bond valuation, capital budgeting, and the management of working capital. The application of spreadsheet modeling to all of these areas is stressed.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses.

FIN 351: Personal Financial Planning
This course takes an integrated approach to the management of personal financial resources. Topics include investments, taxation, insurance, retirement planning, and estate planning. The course emphasizes the process of preparing a comprehensive financial plan and helps to prepare students for careers in the financial services industry.
Prerequisites: Sophomore level & BSBA Program & ECO11& ECO12

FIN 354: Investments
The course covers various financial instruments including common stocks, bonds, stock options, and futures. We also discuss various security selection techniques including risk return tradeoff, security analysis, and implication of market efficiency on investment strategy and asset allocation among various financial instruments. The course is rigorous and approaches the subject from the point of view of investment practitioners.
Prerequisites: FIN 350 with a grade of "C" or better

FIN 355: Investment Portfolio Management
This is an advanced course in theory and application of portfolio management techniques. Topics include active and passive portfolio management, portfolio performance evaluation, bond portfolio management, portfolio insurance and hedging using derivative securities, and international diversification. Students also manage and evaluate stock portfolios.
Prerequisites: Must complete FIN354 & MAT122 or BUS220

FIN 356: Working Capital Management
A course focusing on the theoretical and practical aspects of managing the short-term assets and liabilities of a wealth-maximizing firm. This course utilizes lectures, cases, and spreadsheet exercises. Topics include: cash management, credit and collections, working capital financing, and inventory management.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and FIN 350.

FIN 360: Financial Markets and Institutions
This course examines the various financial markets and institutions that facilitate the trading of financial assets. Recurring themes include the history, regulation, internationalization, and management of these markets and institutions. In addition, the course provides insights into how current events are influencing the evolution of the financial system.
Prerequisites: FIN 350 with a grade of "C" or better

FIN 363: Intermediate Financial Management
The course focuses on development of a comprehensive understanding of risk-return models, financial options models, financial planning and forecasting, the cost of capital calculations, capital budgeting analysis including capital budgeting under risk and real options, and capital structure and dividend policy decisions. In addition, value based management, sources of long term financing for corporations including stocks, bonds, hybrid securities, and leasing are discussed. The course is structured around case studies and application of spreadsheets for analyzing the cases.
Prerequisites: Completion of FIN 350with a grade of "C" or better & MAT 122 or BUS 220

FIN 365: Multinational Financial Management
This course focuses on the international dimensions of financial management. All of the traditional areas of corporate finance are explored from the perspective of a multinational corporation, including working capital management, capital budgeting, cost of capital, financial structure, funds acquisition, investment evaluation, and risk analysis. This course emphasizes the unique decision variables faced by multinational firms, including: multiple currencies with exchange rate changes, differing tax systems, multiple money markets, cross-border restrictions, varying international diversification opportunities, segmented capital markets, and political risks such as nationalization or expropriation.
Prerequisites: FIN 350 with a grade of "C" or better

FIN 371: Selected Topics In Finance
This course allows students to study topics of current interest that are not covered in other finance courses. It also allows students additional time for more in-depth study of topics that are covered in other courses. The topic(s) covered will be announced each time the course is offered.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and FIN 350.

FIN 375CTWI: Applied Investment Management
A small group of students, guided by a faculty member, work as a committee to manage a portfolio of stocks and bonds with the goal of matching or achieving above average, risk-adjusted returns relative to a benchmark. The students apply research, financial analysis, and portfolio management principles and tools to the management of a balanced portfolio (i.e., a portfolio containing both equities and fixed-income securities).
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and FIN 350.

FIN 379: Independent Study in Finance
The independent study allows for individualization of the Finance curriculum to meet the specialized needs/interests of students through studies outside the focus of existing courses. Under the direction of a faculty member from the Accounting & Finance Department, the student will investigate an area of academic interest, to be approved by the department.
Prerequisites: FIN 350 plus six credits of upper-level Finance courses and 2.5 QPA or above.

FIN 380: Senior Seminar in Finance
The course is designed to enhance the student's understanding by detailed discussion of practical concepts in financial management. It increases students' financial decision making capability via financial simulation game. During the course of the game, students make capacity expansion, capital budgeting, stocks and bonds issuance and retirement, dividend payment, and working capital management decisions for their companies. Students' decisions interact with simulation's economic environment to determine stock price of their companies and give them real feel of the goal of stockholders' wealth maximization. In addition, students develop research capability by an in-depth empirical research on a topic of their choice.
Prerequisites: Open to Finance majors with Finance 363 & Business 320 or Economics 345

FIN 385: Insurance Planning
This course focuses on the types of risks faced by individuals and owners of closely held businesses. It examines the various techniques available to manage identified risks. The course also covers the principles of insurance and the workings of the insurance industry. Topics include life, health, disability, long-term care, and property and liability insurance.
Prerequisites: Sophomore level & BSBA Program & ECO11 & ECO12

FIN 386: Retirement and Estate Planning
This course focuses on the process of creating and executing a plan that enables an individual to maintain their desired standard of living in retirement. It also examines the process of developing a plan to distribute an individual's assets after death in a manner consistent with their wishes and the needs of their beneficiaries.
Prerequisites: FIN 351

FIN 389: Financial Planning Capstone
Students learn how to integrate the components (e.g., insurance, investment strategy) and apply knowledge gained in previous Personal Financial Planning track courses to create a comprehensive financial plan in a manner that is consistent with the CFP Board's Financial Planning Practice Standards. Students also learn how to present the financial plan in a professional manner both orally and in writing.
Prerequisites: FIN 385, FIN 386, FIN 354, and ACC 317

FIN 395: Honors Thesis in Finance
Completion of the honors thesis is a requirement for the KU Honors Program. This course enables the honors student to conduct a research project under the direction of a faculty member from the Finance Discipline. The student and faculty member will prepare a research proposal. A student can apply for 3-6 credits (s.h.). The proposal and number of credits must be approved by the discipline.
Prerequisites: Must be a member of the KU Honors Program and have completed FIN 350, plus nine credits of upper-level finance courses and an overall GPA of 3.25 or higher.

Fine Arts

FAR 14VL: Elements of Drawing For Non-Art Majors
This studio course introduces the basic principles and practices of drawing. Emphasis will be on developing the students' ability to draw objectively, and to perceive size, shape, proportion, value, and spatial relationships. A secondary emphasis will be on developing the students' ability to think critically about their drawing and understand drawing in a historical context. The bulk of class sessions will be dedicated to drawing from observation. This activity is supplemented by lectures, slideshows, demonstrations, discussions, and critiques. Minimum of three hours of work outside the classroom is required per week. This is a general education course. It is open to all students except visual art majors. Fine Arts, Communication Design, Art Education and Craft majors are not permitted to enroll in this course.

FAR 15: Drawing I
Graphic expression with various media based on individual sustained objective and subjective aesthetic concerns for human and nature forms. Emphasis is placed on physical as well as mental aspect of seeing. The courses cover two semesters (I, II) to be taken in sequence. Minimum of three hours of work outside the classroom required.
Prerequisites: All students in college of Visual and Performing Arts except Theatre, Music, Music Education and Speech majors; or permission of instructor.

FAR 16: Drawing II
Graphic expression with various media based on individual sustained objective and subjective aesthetic concerns for human and nature forms. Emphasis is placed on physical as well as mental aspect of seeing. The courses cover two semesters (I, II) to be taken in sequence. Minimum of three hours of work outside the classroom required.
Prerequisites: All students in college of Visual and Performing Arts except Theatre, Music, Music Education and Speech majors; FAR015; or permission of instructor.

FAR 61VL: Introduction to Darkroom Photography for Non-Art Majors
This course will introduce the basic skills and concepts of black and white Fine Arts photography, using traditional 35mm film cameras, film processing and darkroom printing methods. With an emphasis on creativity and inventiveness, students will explore the image-making potential and craft of gelatin silver photographic printing. A 35mm film camera with manual controls is required; some are available for loan. Minimum of three hours of work per week outside of the classroom is required.

FAR 62VL: Digital Photo for Non-Art Majors
This course is designed to introduce the aesthetic and technical fundamentals of digital photography with emphasis on creativity. STUDENTS ARE REQUIRED TO HAVE ACCESS TO A DIGITAL SINGLE LENS REFLEX CAMERA FOR THE DURATION OF THIS COURSE. This studio art class meets for six hours a week and requires a minimum of three hours work outside the classroom per week.

FAR 111: Introduction to Painting
This course involves the student with an introductory experience in painting. The course includes working with a variety of painting materials and techniques. Experiences will also include basic problems in color and composition. Minimum of three hours of work outside the classroom required.
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major and FAR 16, or FAR 14; or permission of the department.

FAR 131: Introduction to Watercolor
A basic introduction to the materials and methods of transparent watercolor painting. Minimum of three hours of work outside the classroom required.
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major and FAR 16, or FAR 14; or permission of the department.

FAR 141: Introduction to Printmaking
Introduction to the manipulation of materials and techniques of printmaking to create or transfer visual images. Intaglio, lithographic monoprint, relief, stencil, rubbing, embossing, and printing processes will be explored. Minimum of three hours of work outside the classroom required.
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major and FAR 16, or FAR 14; or permission of the department.

FAR 151: Introduction to Life Drawing
Drawing from the nude model, either male or female, with a realistic analytical concentration on the muscular and skeletal structure of the human body insofar as these are discernible. Minimum of three hours of work outside the classroom required.
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major and FAR 16; or permission of the department.

FAR 161: Introduction to Photography - Darkroom
This course will introduce the basic skills and concepts of black and white photography, using traditional film cameras, film processing and darkroom methods. With an emphasis on creativity and inventiveness, students will explore the image-making potential and craft of the photographic print, within a fine arts context. A 35 mm camera with manual controls is required. Minimum of three hours of work outside the classroom is required. (6 c.h., 3 s.h.)
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major or permission of the department.

FAR 162: Introduction to Photography Digital
This course will introduce the basic skills and concepts of photography using digital tools and methods within a Fine Arts context. With an emphasis on creativity and inventiveness, students will be exposed to the hardware and software necessary for each step of the digital image making process, from input (digital cameras, scanners, web) through manipulation (Photo Shop and other current software) to output (a variety of printers, papers, projections, and the web). Minimum of three hours of work outside the classroom is required. (6 c.h., 3 s.h.)
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major or permission of the department.

FAR 171: Introduction to Sculpture
Basic experiences in conceiving and creating three dimensional and sculptural forms in various media. Emphasis is placed on acquiring a firm knowledge of materials and techniques necessary for creating sculptural works of art. Minimum of three hours of work outside the classroom required.
Prerequisites: Majors with fifteen credits in Studio Art, Applied Digital Art, Art Ed, Crafts or Communication Design with ART 31, ART 32, FAR 15, and FAR 16; or Studio Art minors with permission of the department; or permission of the department.

FAR 182CP: Introduction to Time-Based Media
This course provides an introduction to the creation of images through computer-based technologies. During the course students will not only learn the use and basic capabilities of both still and time-based digital image-making equipment and software, they will also explore the unique ways in which computers facilitate artistic expression. Students will be introduced to art works, artists, alternative-viewing sites, cyber communities, aesthetics and criticism related to digital art. They will also consider digital tools as part of a continuum of technological innovation in the visual arts. This course serves as an introduction to digital media and prepares students for advanced digital art courses and other courses requiring a basic familiarity with these media. A minimum of 3 hours of work outside of class is required per week. (6 c.h., 3 s.h.)
Prerequisites: Studio Art major/minor, or Applied Digital Arts major, or Art Education major, or Communication Design major, or Crafts major; or permission of the department.

FAR 220: Topics in Drawing I
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 15 and FAR 16 and FAR 151 or permission of the instructor.

FAR 221: Topics in Drawing II
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 220

FAR 222: Topics in Drawing III
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 221

FAR 223: Topics in Drawing IV
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 222

FAR 224: Topics in Drawing V
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 223

FAR 225: Topics in Drawing VI
This is an advanced drawing course for in-depth study of a single area of contemporary or historical drawing practice. Representative areas of inquiry include: color and the figure; the artist's sketchbook; digital drawing; mixed media and collage; contemporary landscape; experimental drawing; anatomy for the artist; and others. Within each umbrella topic, a range of techniques, concepts, and subject matter will be explored. Students will become more fully fluent in the aesthetic concepts associated with a specific topic and develop methods of presentation based on professional practices. Students will also expand their skills with drawing techniques and materials, and learn tools to articulate their ideas. Primary emphasis is on the development of an individual direction within the context of historical and contemporary techniques, ideas and images in drawing.
Course can be repeated for credit and will count toward the drawing or printmaking concentration.
Prerequisites: FAR 224

FAR 276: Interactive Design I: Web Design
This course will introduce students to design for the World Wide Web. Since its inception in 1993 the World Wide Web has become a pervasive form of communication throughout the world. The need for skilled designers has increased as the WWW has transformed from text-based documents to a multimedia communications system. Digital Design II will prepare students to create HTML-based web pages and sites and to understand the technical infrastructure of network-based communications. (6 c.h., 4 s.h.)
Prerequisites: CD and Art majors with CD 22, 122, 130, 141, 147; all with a grade of "C-" or better

FAR 277: Interactive Design II: Multimedia
The study of design applying theories of human-computer interaction including the incorporation of static and moving visuals, sound, and language in a manner where the user is involved in a rich and meaningful experience. Interactive Design II focuses on the skills and knowledge necessary for creating content where the user's actions are answered in predictable (question & answer) and unpredictable (random events) ways; where the user is given control of the environment of the interface including selecting sounds, volume control, and playing video. Multimedia projects are designed for computer games, content contained on CD ROMs, educational kiosks, corporate presentations and for broadband web content.
Prerequisites: CD majors only and a grade of "C" or better in the following course CDE 276 or with permission of the Communication Design Department.

FAR 307: The Visual Journal: Drawing and Designing Abroad
This is an off-campus class that will be taught while traveling abroad. It is a hands-on course. Each student will complete a portfolio of artwork documenting his or her personal response to the travel experience. Through direct observation, students will explore their personal relationship with the destination, and construct a meaningful document of their travels. Students will have the opportunity to see firsthand the work of artists and designers from other cultures. The course will include guided gallery and museum visits. (This course is also offered under the following designations: CDE 307, FAR 307, CFT 307.) [6 ch 3 sh]

FAR 308: Creating Gallery Exhibitions
This course offers students a hands-on opportunity to conceptualize, develop, and implement exhibitions. Class projects are built on a foundation of readings, discussions, lectures and demonstrations. These materials emphasize the theories, history, and practice art exhibition production. This course is well-suited for students interested in pursuing museum/curatorial studies and artists interested in controlling the display of their own artwork.
Prerequisites: ARH 124, 125 or 126, and FAS300 or 310 or 320 or 330 or 340 or 350 or 360

FAR 318: Film And Video As Art
This hybrid course is a survey of avant-garde and experimental film and video from the early twentieth century to the present, and an interdisciplinary studio course. Students will view and critically analyze avant-garde films and videos, both in class discussions and in short papers, and consider the distinctive characteristics of time-based artworks. In addition, students will view artworks (paintings, prints, photos, etc.) contemporaneous to the films shown sometimes made by the filmmakers themselves and identify the formal and conceptual relationships between the films/videos and artworks. They will apply these critical perspectives to their own art making (in their medium or media of choice) and will develop the vocabulary to critically assess their peers' art works. (6 c.h., 3 s.h.)
Prerequisites: ONE of the following: ART/FAR 182, FAR 111, 131, 141, 151, 161, 171 or CFT 121, 131, 141, 151, 161.

FAR 337: Themes and Practices in Photography
This advanced photography course is an in-depth study of a singular area of contemporary photographic practice. Topics include Contemporary Landscape; Constructed Image/Staged Photography; Documentary; The Body and the Lens; Image/Text; Photo Books Works, Alternative Processes and others. Students will expand their skills using darkroom and/or digital photographic techniques and will develop methods of professional art practice and presentation. Through individual and group work, students will develop critical perspectives and become more fully fluent in the aesthetic concepts and historical precedents associated with a specific photographic theme or practice. This course is repeatable up to 9 s.h. and will count toward the photography concentration.
Prerequisites: Intro to Photo-Darkroom FAR 161 and Intro to Photo-Digital FAR 162 (one may be taken concurrently with this course) or permission of the instructor.

FAR 338: Themes and Practices in Photography
This advanced photography course is an in-depth study of a singular area of contemporary photographic practice. Topics include Contemporary Landscape; Constructed Image/Staged Photography; Documentary; The Body and the Lens; Image/Text; Photo Books Works, Alternative Processes and others. Students will expand their skills using darkroom and/or digital photographic techniques and will develop methods of professional art practice and presentation. Through individual and group work, students will develop critical perspectives and become more fully fluent in the aesthetic concepts and historical precedents associated with a specific photographic theme or practice. This course is repeatable up to 9 s.h. and will count toward the photography concentration.
Prerequisites: Intro to Photo-Darkroom FAR 161 and Intro to Photo-Digital FAR 162 (one may be taken concurrently with this course) or permission of the instructor.

FAR 339: Themes and Practices in Photography
This advanced photography course is an in-depth study of a singular area of contemporary photographic practice. Topics include Contemporary Landscape; Constructed Image/Staged Photography; Documentary; The Body and the Lens; Image/Text; Photo Books Works, Alternative Processes and others. Students will expand their skills using darkroom and/or digital photographic techniques and will develop methods of professional art practice and presentation. Through individual and group work, students will develop critical perspectives and become more fully fluent in the aesthetic concepts and historical precedents associated with a specific photographic theme or practice. This course is repeatable up to 9 s.h. and will count toward the photography concentration.
Prerequisites: Intro to Photo-Darkroom FAR 161 and Intro to Photo-Digital FAR 162 (one may be taken concurrently with this course) or permission of the instructor.

FAR 350: Video Art and Motion Graphics
This course explores the history, theory, and practice of video and motion graphics as expressive art media. Students learn the concepts, principles and techniques of digital video art and motion graphics and their production, including filming, nonlinear editing, audio, digital animation and post-production workflow, through individual and collaborative projects. Students will also develop the ability of evaluating and critiquing various time-based artworks in this class. Class structure will consist of introduction lectures, technical demonstrations, video artwork screening and project critiques.
Prerequisites: FAR 182 or permission of the instructor.

FAR 358: Workshop: Digital Animation
Workshop subject material is concentrated and taught in a half semester. Workshop subject is taught during either the first or second half of a semester. A minimum of 6 hours of work outside of class is required per week. (6 c.h., 2 s.h.)
Prerequisites: CD majors only. Students must earn a grade of "C" or better in the following courses: CDE 231, CDE 220 and at least one of the following: CDE 242, CDE 239, CDE 252 or CDE 277 or with permission of the Communication Design Department.

FAR 360: Color in Photography
The course will instruct in making quality color prints from color negatives. Professional techniques for the color print using dichroic color-head enlargers and a color auto-processor will be used. Working knowledge of color transparencies will be incorporated through making a multi-image presentation. Emphasis will be placed on the creative potential of color photography. Minimum of three hours of work outside the classroom required.
Prerequisites: FAR 161

FAR 367: Artist Film-Making
The student will have the opportunity to explore the potential of cinema as a creative act through camera work, editing techniques, script organization, and production processes. Lectures and discussions will be concerned with the aesthetic and technical processes integral to film-making. Personal inquiry and self-motivation will be stressed.
Prerequisites: FAR 182 or permission of the instructor.

FAR 368: Specialized Photographic Techniques
This course presents specialized skills and materials used in the photo-graphic studio. Techniques of controlled studio lighting, large formal camera handling, studio exposure, calculation and large format film processing will be explored. Minimum of three hours of work outside the classroom required.
Prerequisites: FAR 161

FAR 377: Independent Study: Art Studio I
Independent Study involves individual pursuit and self-determination in Fine Arts studio area not being offered by the University.

FAR 378: Independent Study: Art Studio II
Independent Study involves individual pursuit and self-determination in Fine Arts studio area not being offered by the University.

FAR 379: Independent Study: Art Studio III
Independent Study involves individual pursuit and self-determination in Fine Arts studio area not being offered by the University.

FAR 380: Independent Study: Art Studio IV
Independent Study involves individual pursuit and self-determination in Fine Arts studio area not being offered by the University.

FAR 383: Advanced Digital Photography
In this advanced course, digital photography students will expand their technical skills and become more fully fluent in the aesthetic concepts associated with digital fine art photography. Students can expect to engage in the production of digital photographs and related digital photographic media. They will explore creative solutions to aesthetic problems and develop methods of presentation and distribution practiced by artists who work with digital photographic imagery. Minimum of three hours of work outside the classroom is required. (6 c.h., 3 s.h.)
Prerequisites: Intro to Digital Media- FAR/ART 182 or FAR 162 (Intro to Digital Photo), or permission of the instructor.

FAR 384: Electronic Media for Artists
This advanced course will expand student artists' digital vocabulary to include digital video, audio, and web-based art, as practiced by contemporary artists. Continuing the emphasis on individual artistic growth, students will be exposed to the hardware and software necessary for new media productions, from input (digital video cameras, scanners, WWW) through manipulation (Dreamweaver, iMovie, Final Cut Pro or other similar programs) to output (a variety of printers, CD-ROM, DVD and WWW). A minimum of 3 hours of work outside the classroom is required. (6 c.h., 3 s.h.)
Prerequisites: Intro to Digital Media- FAR/ART 182 or FAR 162 (Intro to Digital Photo), or permission of the instructor.

FAR 385: Selected Topics in Studio Art
This course will provide opportunities for students to investigate specialized areas of study as the need or opportunity arises. Topics will cover studio processes and/or aesthetic issues not covered, or only superficially addressed in regularly offered courses. Minimum of three hours of work outside the classroom required.
Prerequisites: All foundation courses: ART 031, 032, FAR 015, FAR 016; further prerequisites may apply, depending on the topic. (Repeatable for each special topic.)

FAR 386: Digital Sculpture
Students in this course will examine new types of digital media by learning to operate a microcontroller (which is a small computer) and dismantling objects. Students will use the microcontroller to create either an interactive or non-interactive artwork. The course includes an overview of the history of digital art and some reading is required. Students will spend time building circuits, soldering, writing programs, and using these instruments to create sound, light and motion works. Students will gain a new understanding of the psychological, social and ethical opportunities digital media offers. A minimum of 6 hours of work outside of class is required per week.
Prerequisites: FAR 182 or permission of the instructor.

FAR 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

FAR 398CM: The Business of Art
The course will focus on the business issues related to being a professional artist. It will also address the development of practical portfolio procedures through lectures, demonstrations, field trips, consultations, and AV presentations in a studio situation.
Prerequisites: Fine Arts majors only

FAR 399: Student Exhibition
This student exhibition is a requirement for graduation. All BFA degree candidates, including Related Arts with a Visual Arts Concentration, and all BS in Art Education degree candidates and certification students participate in a Senior Show. Seniors who will be graduated in December register for the senior exhibition held at the end of the Fall semester. Seniors who will be graduated in May or at the end of either of the two Summer Sessions register to participate in the senior shows held during the Spring Semester. Participation in a Senior Show is defined as showing at least one piece/documentation/record within the confines of the display area being used for the exhibition (usually the Sharadin Art Gallery). Showing work in alternate spaces on campus, and not in the Senior Show, will not satisfy the graduation requirement.

Fine Arts Studio

FAS 230: Works on Paper Studio I
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 111 or FAR 131 or FAR 141 or FAR 151

FAS 231: Works on Paper Studio II
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 230

FAS 232: Works on Paper Studio III
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 231

FAS 233: Works on Paper Studio IV
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 232

FAS 234: Works on Paper Studio V
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 233

FAS 235: Works on Paper Studio VI
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 235

FAS 236: Works on Paper Studio VII
This course affords students a wide range of practice and experimentation using various media on paper, including drawing (both wet and dry media), transparent and opaque watercolor, acrylic paint, collage, image transfer, etc. Work must be done on paper, or a paper-like support (ie. Mylar), or must include paper in its construction in a substantial way. No pastels may be used in class due to health concerns. Students are encouraged to pursue their own interests in both technique and concept. This is a repeatable studio course; requirements vary by studio level. Credit may be applied to either Drawing or Painting Concentration depending upon the mediums used.
A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 235

FAS 300: Time Based Experimental Media Studio I
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 182 or permission of the instructor.

FAS 301: Time Based Experimental Media Studio II
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 300 or permission of the instructor

FAS 302: Time Based Experimental Media Studio III
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 301 or permission of the instructor

FAS 303: Time Based Experimental Media Studio IV
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 302 or permission of the instructor

FAS 304: Time Based Experimental Media Studio V
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 303 or permission of the instructor

FAS 305: Time Based Experimental Media Studio VI
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 304 or permission of the instructor

FAS 306: Time Based Experimental Media Studio VII
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 305 or permission of the instructor

FAS 307: Digital Media Studio VIII
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 307 or permission of the instructor

FAS 308: Digital Media Studio IX
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS308

FAS 309: Digital Media Studio X
This course is a continuation of the study of digital photography, digital video, web-based art, time-based art and related subjects beyond the introductory level. The emphasis is on continued development of personal imagery within the context of the digital arts. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Digital Media Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will increasingly show familiarity with contemporary and historical works [painting, printmaking, etc.] in the digital arts, especially that which relates to their work. At the more advanced levels of Studio, students will be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS308

FAS 310: Painting Studio I
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 111 or permission of the instructor.

FAS 311: Painting Studio II
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS310

FAS 312: Painting Studio III
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS310

FAS 313: Painting Studio IV
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS310

FAS 314: Painting Studio V
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS310

FAS 315: Painting Studio VI
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS314

FAS 316: Painting Studio VII
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS315

FAS 317: Painting Studio VIII
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS316

FAS 318: Painting Studio IX
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS317

FAS 319: Painting Studio X
This course is designed to further acquaint each student with painting knowledge, skills and attitudes needed for the development of a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, no more than 6 sh in one semester). This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS318

FAS 320: Drawing Studio I
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 111 or FAR 131 or FAR 141 or FAR 151

FAS 321: Drawing Studio II
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS320

FAS 322: Drawing Studio III
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 321 or permission of the instructor

FAS 323: Drawing Studio IV
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 322 or permission of the instructor

FAS 324: Drawing Studio V
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 323 or permission of the instructor

FAS 325: Drawing Studio VI
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 324 or permission of the instructor

FAS 326: Drawing Studio VII
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 325 or permission of the instructor

FAS 327: Drawing Studio VIII
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS326

FAS 328: Drawing Studio IX
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS327

FAS 329: Drawing Studio X
This course is designed to allow the student to develop advanced skills and to explore the infinite possibilities of personal creative expression inherent in the art of drawing. The main emphasis of the course will be on studio activities supplemented by demonstrations, lectures, discussions and critiques, all of which help to define the nature of drawing. The repeatable aspect of the course allows for a continuum in the student's exploration of his/her artistic interest and creative ideas. (Repeatable for up to 30 hours credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS328

FAS 330: Watercolor Studio I
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 131 or permission of the instructor.

FAS 331: Watercolor Studio II
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 332: Watercolor Studio III
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 333: Watercolor Studio IV
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 334: Watercolor Studio V
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 335: Watercolor Studio VI
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 336: Watercolor Studio VII
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS330

FAS 337: Watercolor Studio VIII
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS336

FAS 338: Watercolor Studio IX
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS337

FAS 339: Watercolor Studio X
The course is planned to further effective experience with watercolor, to gain knowledge, skill and attitudes necessary in developing visual imagery and advancing individual interests in a specialized media. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS338

FAS 340: Printmaking Studio I
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 141 or permission of the instructor

FAS 341: Printmaking Studio II
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS340

FAS 342: Printmaking Studio III
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS340

FAS 343: Printmaking Studio IV
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS342

FAS 344: Printmaking Studio V
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS340

FAS 345: Printmaking Studio VI
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS340

FAS 346: Printmaking Studio VII
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS340

FAS 347: Printmaking Studio VIII
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS346

FAS 348: Printmaking Studio IX
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS347

FAS 349: Printmaking Studio X
This course is a continuation of the study of printmaking beyond the introductory level. The emphasis is on the continued development of personal imagery within the context of printmaking. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS348

FAS 350: Life Drawing Studio I
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 151 or permission of the instructor.

FAS 351: Life Drawing Studio II
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 352: Life Drawing Studio III
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 353: Life Drawing Studio IV
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 354: Life Drawing Studio V
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 355: Life Drawing Studio VI
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 356: Life Drawing Studio VII
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS350

FAS 357: Life Drawing Studio VIII
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS356

FAS 358: Life Drawing Studio IX
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS357

FAS 359: Life Drawing Studio X
This course provides an opportunity to achieve a higher level of intensification by continuing the development in life drawing. This leads to the subjective conception of the figure and enables the student to develop a form of drawing he/she chooses to pursue. This course is to further acquaint students with drawing knowledge; skills and attitudes needed for a personal imagery as well as the development of self-direction. (Repeatable up to 30 sh, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS358

FAS 360: Photography Studio I
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 161 or 162 or permission of the instructor

FAS 361: Photography Studio II
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 362: Photography Studio III
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 363: Photography Studio IV
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 364: Photography Studio V
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 365: Photography Studio VI
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 366: Photography Studio VII
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS360 or permission of the instructor

FAS 367: Photography Studio VIII
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS366

FAS 368: Photography Studio IX
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS367

FAS 369: Photography Studio X
The studio extends the photography experience to the student who wishes to pursue further work in the medium with more depth in a selected area. The emphasis will be on individual direction in terms of technique, craft, and image. (Repeatable up to 30 hours of credit; no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS368

FAS 370: Sculpture Studio I
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 171 or permission of the instructor.

FAS 371: Sculpture Studio II
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 372: Sculpture Studio III
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 373: Sculpture Studio IV
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 374: Sculpture Studio V
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 375: Sculpture Studio VI
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 376: Sculpture Studio VII
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS370 or the permission of the instructor.

FAS 377: Sculpture Studio VIII
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS376

FAS 378: Sculpture Studio IX
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS377

FAS 379: Sculpture Studio X
Advanced studio study, research and application of specific materials, processes and concepts in the creation of sculptural form. (Repeatable up to 30 semester hours, not more than 6 sh per semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS378

FAS 380: Lithography Studio I
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAR 141 or permission of the instructor

FAS 381: Lithography Studio II
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 382: Lithography Studio III
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 383: Lithography Studio IV
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 384: Lithography Studio V
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 385: Lithography Studio VI
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 386: Lithography Studio VII
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS 380 or the permission of the instructor.

FAS 387: Lithography Studio VIII
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS386

FAS 388: Lithography Studio IX
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS387

FAS 389: Lithography Studio X
This class investigates the possibilities of lithographic printmaking. Students are introduced to the materials and processes required to produce lithographic prints. Emphasis will be on stone lithography, but the course will also address the use of aluminum plates. Students will be expected to produce original works of art using this process. This course can be used to satisfy the requirements for print-making concentration. (Repeatable up to 30 sh, no more than 6 sh in one semester.) This course is repeatable up to ten (10) times. Students are expected to set higher goals and achieve a higher level of sophistication in successive levels of Studio. Specifically, students will develop their personal imagery, technical ability and increase their knowledge of relevant processes and techniques. They will also increasingly show familiarity with contemporary and historical [painting, printmaking, etc.], especially that which relates to their work. At the more advanced levels of Studio, students will increasingly be expected to pursue opportunities to exhibit their work through juried exhibitions and on-campus venues. A minimum of three (3) hours of work per week outside of class is required.
Prerequisites: FAS389

First Year Seminar

FYS 100: First Year Seminar
The First-Year Seminar prepares students for the kind of academic work expected in college. In a small-class setting, students work closely with their professors and peers to explore a particular topic in depth and develop skills that are essential for success at the university. Skills include those in substantive reading, critical thinking, writing, speaking, ethical analysis and reasoning, active and collaborative learning, academic research, and the use of technology. Students also learn how to use university resources, including student support services, in their academic pursuits. The specific topic of the seminar varies with the academic passion and expertise of the instructor. Topics are accessible to all students with no prerequisites.

French

FRE 13: Elementary Conversation in French
Intensive oral practice covering vocabulary and structures of survival situations. One hour of class. Open to students of FRE 011 and 012 or with permission of the instructor. May be repeated.

FRE 23: Intermediate Conversation in French
Intensive oral practice covering topics that prepare the student for foreign travel and the encounter of French people. One hour of class. Open to students of FRE 103 and 104 or with permission of the instructor. May be repeated.

FRE 101: Elementary French I
A course for beginners to develop basic skills in pronunciation, aural comprehension, speaking and reading. The selection of course materials emphasizes social and cultural values. Offered in two semesters of three hours each.

FRE 102: Elementary French II
A course for beginners to develop basic skills in pronunciation, aural comprehension, speaking and reading. The selection of course materials emphasizes social and cultural values. Offered in two semesters of three hours each.

FRE 103: Intermediate French III
Students who have satisfactorily completed six hours of elementary French, or who have had at least two years of French in high school continue the development of the basic skills in aural comprehension, speaking, and writing. Emphasis is placed on independent reading. Offered in two semesters of three hours each.

FRE 104: Intermediate French IV
Students who have satisfactorily completed six hours of elementary French, or who have had at least two years of French in high school continue the development of the basic skills in aural comprehension, speaking, and writing. Emphasis is placed on independent reading. Offered in two semesters of three hours each.

FRE 138CDVL: French Culture Through Film
This course taught in English is an introduction to French and Francophone cultures through films by French and Francophone directors examining gender, ethnicity and global issues. It is designed for Freshmen and any student interested in the French-speaking world. Films will be in the original French with English subtitles. No knowledge of French language is required for this course.

FRE 212: French Composition
French 212 is designed for students completing a concentration in French, French minors and majors and other advanced students in French as an intensive grammar review and a writing workshop primarily to develop and enhance the student's capacity for written expression in French. Students will learn advanced writing techniques, all the stages of writing, basic research techniques, and the components of a classical French dissertation.
Prerequisites: FRE 104

FRE 213: Advanced Conversation in French
FRE 213 is designed for nonnative speakers of French who have successfully completed intermediate levels of French instruction (FRE 103 and FRE 104) and who wish to further improve their oral proficiency in French. FRE 213 is an intensive course in oral/aural skills with a special focus on pronunciation and communication in culturally appropriate ways in French. The course will be conducted in French and the focus will be on providing oral opportunities to speak French in peer group activities, dialogs, role play situations and various techniques of oral presentation which afford students a chance to hone and perfect their French oral skills.
Prerequisites: FRE 104

FRE 225: French Phonetics and Applied Linguistics
This course consists of a systematic and thorough study of French phonology, covering the three types of sounds, their alternation and combination specific to French; phonetic transcription; an overview of regional, dialectal and social variants. An initiation to linguistic analysis, including terminology and methods of investigation with an overview of morphology, syntax, semantics and sociolinguistics. The course is taught in French.
Prerequisites: FRE 104

FRE 247CD: Modern French and Francophone Drama and Theater in English Translation
Taught in English, this study of French drama from the Age of the Enlightenment to the present in the context of French and francophone cultures includes masterpieces that have both formed and influenced the development of contemporary theater.

FRE 253: Paris: Anatomy of a Cultural Capital
Explore the "city of light," capital of modernity! In the nineteenth century, Paris became a laboratory for modernity through history, architecture, urban planning, the visual and performing arts and the clash of capitalism vs. socialism. We shall take a tour of "the gay Paree" through consideration of revolutions, sewers, department stores, prostitution, "le demi-monde," anti-semitism, money, spectacle, the working class, bars and cafes, clothing, caricature, the birth of the camera and film industry, advances in medicine and other sciences. The course includes also a social and cultural historical view of Paris. This course is taught in English.

FRE 254: Francophone Legacies: Intercultural Inquiries
An Introduction to the French diaspora and the living cultures of the French- speaking World, this course emphasizes the diversity of interrelated Francophone issued it shows how that each community in the U.S., and in the rest of the world, has its own discrete set of issues. The Acadians in Maine struggle to maintain allegiance to their culture. Haitians have political and economic reasons for immigrating to the U.S.A. while maintaining emotional ties to their island. Recent North African immigrants struggle to survive in a post-9/11 culture that hold a mistrust of extremist Islam while balancing their blended cultures of French and Arabic. Francophone communities from Africa, Asia and Polynesia have also their distinctiveness. This course is taught in English.

FRE 257: Masterpieces of French Literature in English Translation I
This course entails an in-depth study of works from French literature selected for their humanistic character, their artistic quality and their present vitality. Primary emphasis is the appreciation of the innovative approach of each author to the universal themes of love and death, Man and Nature, Man's relation to God, war and peace, freedom and bondage. This survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry (in English). The first semester (I) deals with French literature until 1800.
Prerequisites: ENG23, ENG24 or ENG25

FRE 258: Masterpieces of French Literature in English Translation II
This course entails an in-depth study of works from French literature selected for their humanistic character, their artistic quality and their present vitality. Primary emphasis is the appreciation of the innovative approach of each author to the universal themes of love and death, Man and Nature, Man's relation to God, war and peace, freedom and bondage. This survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry (in English). The second semester (II) deals with French literature until 1800 to the contemporary period.
Prerequisites: ENG23, ENG24 or ENG25

FRE 290: The French Connection: Francophone Films in Context
This course surveys films from French-speaking countries outside of France and situates them in their cultural as well as cinematic contexts. The products, practices, and perspectives of the filmmakers' cultures as well as French terminology for the visual language of these filmmakers richly contextualize this study of the continued international role of French and connect the study of French to multiple disciplines. Taught in French.

FRE 300: French Classical Drama
The classical drama from its rise to its highest point of achievement. Masterpieces of Corneille, Moliere, and Racine. Precis written in French on the readings.
Prerequisites: FRE 104

FRE 302: Survey of French Literature II
First semester: the development of French literature from its origin to the end of the 18th century. Second semester: continuation of the survey through the 19th and into the 20th centuries. Representative readings of varied literary types.
Prerequisites: FRE 104

FRE 317: French in the Global Village
This course (taught in French) presents an overview of the history of the French language and culture. It provides a humanist perspective for a better understanding of the impact of the French language and culture on the rest of the world through the colonial enterprise. While emphasizing the post-colonial era and the advent of globalization, FRE 317 gives students a content-based approach to learning the language. Focus is placed on the communicative aspect of the language and aims at deepening students' understanding of the socio-linguistic aspect of the language.
Prerequisites: FRE 211

FRE 327: Professional Translation Skills in French
This course is an introductory level course in translation to learn and practice skills needed to read critically and to translate from English to French and vice versa. We shall stress accuracy, precision, idiomacy, and subtlety in both languages. Furthermore, the proper use of a dictionary will be taught to avoid pitfalls of errors when words are taken out of context or as a single unit. A review of various kinds of specialized dictionaries (unilingual versus bilingual) will be presented. The interest in Translation Studies (Traductology), i.e. Comprehensive History of Translation, has grown since the 80s. We shall endeavor to present an overview of recent developments in this fast growing field.

FRE 331: Identity, Modernity and Text in New France
FRE 331 (formerly FRE 330) consists of the study of ideas and societal changes that shaped and continue to impact linguistic, artistic, political and cultural achievements of the French and the French-Speakers in the contemporary world. Focus is placed on modernity and identity formation to teach students how to think critically and develop research skills through specific exercises including Web resources. The course will be taught in French.
Prerequisites: FRE 104

FRE 338: Aspects of French Popular Culture
French culture has traditionally been understood as both "high" and "low." And, in the past, French culture has most often been communicated to the outside world in terms of the artistic symbols of "high culture." But what is now understood by the term "French culture" has changed. Although traditional bias towards high-culture remains, the recent celebrity of what has been called "low culture" (and its inclusion under the general heading of "French culture") has generated much confusion. The idea of French culture, as now understood abroad, provides a distorted image of complex cultural realities of contemporary France. This course is designed to disentangle these historical complexities.
Prerequisites: FRE 212

FRE 340: French Culture and Civilization
French life and culture as seen in literature, art, music and philosophy. The folklore, linguistic and social aspects of culture will also be covered to acquaint the student with the complexities of the national background. Required for Secondary Education majors with a concentration in French.
Prerequisites: FRE 104

FRE 342: French Canada: Past & Present
This course is a panoramic exploration of the multifaceted and vibrant French culture in Quebec and the ROC (Rest of Canada) from the birth of New France to recent Quebec political turmoil. This course will incorporate a multidisciplinary approach to the historical, political, cultural, artistic, and socio-economic movements that have influenced and still impact Quebec and Canada as a nation, our neighbor to the North. Cultural manifestations such as creative art, cinema, music, folk songs, narrative texts and a brief overview of the economic sector to underline Quebec/U.S.A. special partnership will be examined. Oral and written practice in critical thought will further mastery of the French language. This course is taught in French.

FRE 343: France at the Dawn of the Twenty-First Century
FRE 343 consists of a study of contemporary France and French-Speaking societies, as manifested in present-day life and culture to provide a vivid overview of present day France at the dawn of the Twenty-First Century. Consideration will be given to their place within the enlarged European Union and the world, to political, economic and social structures to education and the Arts. We shall focus on the way French people are reacting as they are confronted with an increasingly complex world, the advent of the information revolution technology, and multiculturalism. Special attention will be given to the fabric of French society as a new mosaic of cultures, specifically the influx from former North African colonies: Algeria, Morocco and Tunisia, i.e. the Maghreb.

FRE 344: North-African Cultures and Literatures
In FRE 344, taught in French, advanced students of French examine the cultures and literature of the Maghreb and explore Frances complex relationship with its former North-African colonies. Students will also consider how the French Nation-State model has been masking ethnic differences and how French focus on Beurs (Arabs of the third generation) has shaken the ideological foundations of Republican and secular France.
Prerequisites: FRE 212

FRE 345: Modern French Drama and Theatre
The study of French drama from the Age of Enlightenment to the present. Selected dramatists of the 18th, 19th and 20th centuries will be considered.
Prerequisites: FRE 104

FRE 360: Study Abroad Experience
This course permits approved study abroad experiences to be counted in the student's French major (B.A. and B.S. Ed.), minor or concentration. Prior to an approved study abroad experience, any students majoring in French may, with the input and approval of her/his advisor, request that 1-6 credit hours be granted toward her/his major based on the activities to be undertaken. Any student minoring in French or seeking a concentration in French may request that 1-3 credit hours be granted based on the activities to be undertaken. Students are required to prepare a written request to the advisor giving a description of activities and a rationale for requesting credit. This course is available only to students majoring, minoring or earning an Elementary Education concentration in French who complete an approved study abroad program and meet evaluation standards approved by the French advisor.

FRE 361: Women in French Literature
An Honors course to familiarize both the French major as well as the non-language student with the role of women in French literature from the Middle Ages through the Twentieth Century. Students will read selected works by women writers in several genres and will read a few works by men in which the woman is the primary character or focus. The course will survey the expanding and developing role of women through the centuries. All readings will be in English; the course will be taught exclusively in English and will meet three hours per week. Course does not satisfy the foreign language requirement for any degree, but can be used to satisfy humanities requirement.

FRE 370: Selected Topics in French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 371: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 372: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 373: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 374: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 375: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 376: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 377: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 378: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 379: Selected Topics In French
This course entails an intensive study of topics in French culture or literary topics, styles, trends, criticisms and writers not included or not covered in depth in other French courses. May be repeated for credit.

FRE 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

FRE 470: Selected Topics In French
Selected Topics in French.

General Studies

GEE 390: General Studies Internship
The student is placed in a work-study situation that is relevant to the educational and vocational goals and objectives of the student. The internship experience and course credit will be determined prior to enrollment. Course credit will be established by the character and nature of the internship placement. Students in the General Studies degree program should apply to the General Studies Committee for approval one semester in advance of the internship.

GEE 391: The Harrisburg Internship Semester (THIS): Internship
THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

GEE 392: The Harrisburg Internship Semester (THIS): Research
The Harrisburg Internship Semester provides a comprehensive academic approach to the internship experience. THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. In addition, students are required to complete a thesis-length research project. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

GEE 393: The Harrisburg Internship Semester (THIS): Seminar
The Harrisburg Internship Semester provides a comprehensive academic approach to the internship experience. THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. In addition, students are required to participate in rigorous weekly public policy seminar. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

GEE 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

GEE 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

Geography

GEG 10: Elements of Physical Geography
Physical geography examines spatial elements of the physical environment - weather, climate, vegetation, soils, and landforms. Students analyze the nature and characteristics of these elements, the processes involved in their development, their distribution over the earth, and their inter-relationships. Students also examine the interrelationships between these elements and human activities. They use maps and other geographical data to locate, analyze, interpret, and solve geographical problems of a physical environmental nature. This course is useful to students seeking to better understand geographical aspects of environmental issues.

GEG 20CD: Elements of Cultural Geography
The purpose of this course is to teach students how to think geographically about culture. This involves considering how people's actions through social, economic, and political processes create and transform places. Topics include, but are not limited to, geographies of population, migration, language, religion, ethnicity, politics, urbanization, agriculture, and development. Students will study how peoples' culture affects the world around them, and in turn, how it is affected by the cultures and environments that surround it.

GEG 40: Descriptive Oceanography
A course to familiarize the non-scientific student with the marine environment and current developments in the marine sciences. Topics for study will include: the Physical Parameters of the Ocean; Ocean Basin Topography; Life in the Sea; and Resources in the Oceans. Students will be encouraged to participate in field activities at the Wallops Island Marine Center at Wallops Island, Virginia. This course is unacceptable for the Earth-Space Science major requirement.

GEG 101: World Regional Geography
This introductory course is designed to give the student a broad overview of the world - its peoples, cultures, economic and social systems, and the physical environment over which all of these are superimposed and interact. The course is intended as a General Education social science elective.

GEG 110: Geography of the United States and Canada
This introductory course is designed to give the student an understanding and appreciation of the North American cultural area. Canada and the United States will be analyzed from both topical and regional viewpoints.

GEG 112: Geography of Pennsylvania
Man's cultural and economic development in relation to the factors of his physical environment are analyzed in the land use study of Pennsylvania. The areal extent, value and rise of the state's resources and related problems are studied as well as the need for a well-directed, coordinated program. Field trips are an integral part of this course.

GEG 120: Geography of Sub-Saharan Africa
A comprehensive course of study of the physical and cultural geography of the African continent south of the Sahara Desert. Topics will include, but are not limited to: pre-colonial societies, slavery and colonialism, development issues, environmental problems, the geography of disease and health care, population, and current political geography issues.

GEG 140: Geography of Europe
A regional course emphasizing the economic problems of European nations, it affords an opportunity to study the geographic relationships underlying land utilization, boundary disputes, economic organization, and the dominant international relations of Europe.

GEG 204: Meteorology
Meteorology is the study which deals with the phenomena of the atmosphere. This includes not only the physics, chemistry, and dynamics of the atmosphere, but is extended to include many of the direct effects of the atmosphere upon the Earth's surface, the oceans, and life in general. Students will be given the opportunity to work with the basic instruments used in measuring atmospheric characteristics, learn how those characteristics are coded on weather maps, be presented with strategies to analyze the weather data, and learn the basics of forecasting the weather.

GEG 210: Environmental Conservation
This course examines a wide variety of current environmental issues related to air, land and water resources. Emphasis is placed upon problems and practical solutions. Lectures are integrated with an extensive collection of audiovisual materials and World Wide Web sites.

GEG 212: The Geography of Natural Hazards
The geography of natural hazards examines human landscapes, in areas prone to damaging environmental conditions, i.e., floods, droughts, earth-quakes, severe agricultural frosts, etc. Upon the identification of geographic areas where notable disasters have occurred, a study is made of (1) the individual and societal human responses and decisions, and (2) the resultant land use patterns which have evolved. The student will then examine and evaluate current plans and options designed to reduce future loss of life and property in hazard-prone regions.

GEG 220: Economic Geography
The course will introduce the basic concepts and processes underlying the spatial distribution of economic activities. Natural resource distributions, population patterns and growth, and general development disparities will be examined. The evolution of different types of economic activities over time and space will be considered within the context of technological change, particularly in transportation and communications. Contrasts and comparisons will be made between urban and rural economic activities, and both inter-urban and intra-urban patterns in different regions of the world will be examined. Industrial location will be considered, ranging from the small firm to the multinational organization. International trade and factor movement and world trading patterns will be examined, as well as problems resulting from the globalization of economic activity.

GEG 223: Introduction to Transportation Geography
Transportation and its role in the development of the economic and geographic landscape are analyzed at the national, regional and urban level. This will be accomplished by considering the questions of how, where and why movements occur through geographic space.

GEG 225CMCT: Spaces of Globalization
This course examines the complex array of economic, cultural, and political forces known as globalization. Topics will include the historical roots of globalization, as well as the positive and negative impacts of this diverse phenomenon on cultural, political, environmental, and economic geographies. Emphasis will be not only on the geographic effects that globalization has at the global level, but also the implications that it has for the geography of local places.

GEG 230: Map Reading and Interpretation
This course examines how maps locate, represent, summarize and communicate geographic information. Students develop an appreciation for using maps to learn about physical and cultural landscapes. Emphasis is on the interrelationships of map design, symbolization, and visual communication; functions of map projections; use of coordinate systems of maps; techniques for measuring and calculating scale, distance, direction, slope, elevation, area, volume, and object height from maps; and analysis of spatial trends and landscape change using maps. Students also use the magnetic compass with maps to solve problems of direction and scale. Map critiquing and writing assignments challenge them to evaluate potential misuse and misinterpretation of maps. Laboratory exercises involve analysis of topographic, road, weather, air photo, historical, land use, and zoning maps. This course provides a basis for advanced techniques courses in geography. It is also helpful to education majors concentrating in geography and majors in fields dealing with either physical or human-built environments.
Prerequisites: GEG 10 or GEG 20 or GEL 100 or Permission of the Instructor

GEG 274CPQL: Introduction to GIS
Geographic information systems (GIS) are a major tool for the analysis of spatial data. This course introduces the student to the theoretical, conceptual and practical aspects of the collection, storage, analysis and display of spatial data. The applications of GIS by geographers, educators, scientists, planners, and businessmen to real-world problems will be emphasized.

GEG 304: Weather Analysis
This course introduces the practice of observing and diagnosing synoptic- and meso-scale weather systems and the theories behind the development and movement of these systems. The course culminates on an application of these diagnostic techniques on the various components of the mid-latitude cyclone; including but not limited to, cyclone lifecycles, fronts, and jet streams.
Prerequisites: GEG 10 and GEG 204 and GEG 205 or P:ermission of the Instructor

GEG 310WI: Urban Geography
Urban Geography is concerned with promoting a greater understanding of the development, structure, functioning, and distribution of centers of human social, economic, and political activity, cities, through the application of spatial theories and models of human behavior. Although there are no course prerequisites, this course (as with virtually all other 300-level courses) is not recommended for freshmen.

GEG 322: Climatology
The focus is on causes of climate, climate regions, climate change, and advantages and limitations of climate to human geography. The influences that the climate system has on plants, soils, water supply, human adaptations, urban living, and agricultural economics are examined. This approach provides valuable background material to other advanced courses in geography and to other related courses in the natural sciences. This course is a general education, natural science elective.
Prerequisites: GEG 10 or GEG 204

GEG 323: Global Warming and The Science of Climate Change
This course concentrates on the climatologically and spatial aspects of global warming and the growing importance of the science of global warming to policymakers. The aim is to introduce the causes, methods of analysis, and policy implications of global warming. This course is a general education natural science elective.
Prerequisites: GEG 10 or GEG 204 or GEG 322

GEG 330CPVL: Cartography
This course serves as an introduction to Cartography. The successful student will become proficient in the collection, manipulation, generalization, and the proper visual presentation of geographic data. Emphasis is placed on the proper use of the graphic elements and visual variables, and on appropriate means of data manipulation. Students study the nature of cartography, the geographic coordinate system, map scale, map projections, map design, symbolization, data manipulation, the major classes of maps, and map reproduction. This course is laboratory intensive and emphasizes cartography in the ArcGIS computer environment. (4 c.h., 3 s.h.)

GEG 333: Advanced GIS
Geographic information systems (GIS) are a major tool for the analysis of spatial data. Based on the material covered in Introduction to GIS, this course considers in depth the theoretical, conceptual and practical aspects of the collection, storage, manipulations, analysis and display of spatial data. Laboratory projects involving student use of vector-based GIS systems to develop, implement and analyze geographic databases are required.
Prerequisites: GEG 274

GEG 335: Political Geography
Current world and national problems are analyzed within the framework of systematic political geography. Attention will be focused on world trouble spots, elections, boundary friction, resource allocation, population pressure, and military strategy from a geographical stand-point. Elements of Cultural Geography or a basic Political Science course would be valuable preparation for this course, but are not prerequisite.

GEG 338: Geography of Population
This course is designed to give the student a basic, systematic background in population geography with in-depth analysis of certain selected demographic factors as they specifically relate to areal phenomena. Special attention will be given to selected areas and their current population problems and the geographic factors which have produced or modified these problems.
Prerequisites: GEG 20

GEG 339: Honors Seminar: Human Interaction with Sensitive Environments
Sensitive environments such as the tropical rainforest and the tundra are usually misunderstood by people living in the mid-latitudes. This course will familiarize the student with one sensitive environment and will consider ways in which humans can interact with that environment while maintaining it. The topic will be noted in the master class schedule for that semester.

GEG 341: Environmental Planning
Emphasis on the concepts and techniques used to study and evaluate the air and water environments, solid waste, toxic and hazardous wastes for the purpose of achieving environmental quality. Predominant attention will focus on planning and management principles, but administrative, economic and legal constraints will also receive due consideration.

GEG 343: Land Use Planning
An examination and application of the methods associated with land use planning, especially in the small town and rural context. Emphasis is placed upon the tools and techniques associated with land use planning such as interpretive maps, soil surveys, remote sensors, and computers. Legal aspects of land use planning will also be presented.

GEG 347: Remote Sensing of the Environment
Remote Sensing of the Environment is a course designed to introduce the field of remote sensing, as well as teach you the fundamentals of analysis of remotely sensed images. The primary focus in lecture will be on the variety of remote sensing platforms, the fundamentals of image acquisition, and the physical laws dictating satellite orbits and energy transfers used in remote sensing. In laboratory, the focus will be on applying the fundamentals learned in lecture to analysis data and interpret various types of images.
Prerequisites: GEG 010-Elements of Physical Geography or GEL 100-Physical Geography or permission of the instructor.

GEG 371: Independent Study in Geography
Students who meet minimum qualifications and who can demonstrate a need or purpose will be permitted to pursue study topics within the field of geography at their own pace, but under direction of a member of the geography staff. Topics which parallel current offerings are not acceptable; however in-depth studies of any area or topic can be considered. Minimum qualifications: junior or senior standing, and the completion of 12 semester hours of geography. Permission of the department is required.

GEG 372: Selected Topics in Geography
This course is designed to permit the department to offer a course of study based on the timeliness of the topic. The course content will vary with the topic and the instructor, but a research paper or equivalent will be required. The course may not be repeated for credit.
Prerequisites: GEG 10 and GEG 20 or Permission of the Instructor

GEG 375: Research Methods in Geography
An examination of the research methods of current importance in the discipline of Geography. Topics to be emphasized include: the nature of scientific research; the development and implementation of geographic research design, the acquisition and analysis of data, and the preparation of written reports.
Prerequisites: 24 credits in Geography with a prerequisite or co-requisite of PSY/SOC/POL 200 or MAT 140.

GEG 380CTWI: Senior Seminar in Geography
The major student activity in this course will be discussing, proposing, researching, and writing a Senior Thesis. The successful completion, and acceptance of the thesis by the Department of Geography Faculty, will provide the student with experience in the several areas noted above. As well as being the culminating undergraduate experience for the student, it will satisfy the College of Liberal Arts and Sciences' Comprehensive Examination requirement.
Prerequisites: GEG 375 and 27 or more credits in GEG

GEG 394: Internship in Geography
The student will be placed in a supervised professional work environment with cooperating public or private organizations such as consulting firms as well as local, regional, state, and federal agencies. Periodic conferences with the intern will provide orientation and opportunity for review of issues and procedures relevant to the internship experience.
Prerequisites: Junior or Senior Status (above 60 earned credits) and 24 credits of GEG course work earned with a 2.5 GPA in those GEG courses.

GEG 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

GEG 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

Geology

GEL 1: Dinosaurs
This course is an introduction to the paleontology of dinosaurs. The evolution, systematics, origin, history of their discovery, and current topics concerning dinosaurs are discussed. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts and Science majors. PREREQUISITES: None.

GEL 5: Earth Resources and Processes
An introduction to the principles of geology and their application to earth resources and processes. Emphasis is placed on understanding the origins of metallic, non-metallic, and energy resources and the geological factors which influence both natural and man-induced disasters. NO PREREQUISITE. This course does not count toward graduation credit for Geology, Marine Science or Environmental Science-Geology majors, nor does it satisfy the laboratory science requirement under general education.

GEL 20: Introduction to Geology
An introduction to the study of the earth, physical geology includes the study of the formation of common rocks and minerals, of the structure of the surface of the earth, and of geological processes that create the surface landscape. Human considerations such as energy, mineral deposits and environmental hazards are also examined. Laboratory work includes the study of rocks and minerals, and the study of topographic maps and landforms. This course does not satisfy major, concomitant or specialization requirements for Secondary Education Science and/or Liberal Arts Science Majors.

GEL 31: Geology of the National Parks and Monuments
This course is an introduction to the study of historical and physical geologic principles as illustrated in the National Parks and Monuments of the U.S. The Earth's history, geological surface and subsurface processes and the genesis of igneous, sedimentary and metamorphic rocks are examined. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts and Science majors. Can not be taken by a student who has already taken GEL 020.

GEL 50: Water Wars
This course is an introduction to the study of hydrology, geology, and scientific principles from the perspective of water as a natural resource. Both surface and subsurface hydrogeological processes are examined in an example-oriented teaching method that incorporates an evaluation of the political and environmental ramifications of each situation. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts and Sciences majors.

GEL 100: Physical Geology
An introduction to earth processes, physical geology includes the study of the formation of common rocks, minerals and economic mineral deposits, the structure of the earth's interior, and geological processes that create the surface landscape. Human and environmental hazards are also examined. Laboratory work includes the study of rocks, minerals, topographic maps, landforms, and geologic maps. Field trips may also be required.

GEL 102: Historical Geology
An introduction to the geological and biological evolution of the earth, historical geology traces the history of the earth as recorded in the rock record. The scientific methods by which geologists interpret the earth history are introduced. Field trips may be required. Required of majors in the Earth-Space Sciences. Offered Spring Semester.
Prerequisites: GEL 100 or GEL 020

GEL 110: Introduction to Oceanography
An introductory course designed to introduce students from diverse backgrounds to the physical, chemical, biological and geological aspects of the oceans and to the methods and techniques of this rapidly expanding field. Emphasis is placed on lab and at-sea assignments which focus the students' attention on the interrelationship and unity of oceanography, and its relation to other environmental sciences.

GEL 200VL: Field Geology
Methods of geological survey involving field practice, interpretation of selected areas, and preparation of maps, and reports. Lectures and laboratories.
Prerequisites: GEL 100-101 and GEL 102-103

GEL 205: Planetary Surface Processes
This course examines the physics of processes that break solid rock into transportable materials and the physical and chemical mechanisms behind the movement and deposition of that material on planetary surfaces. Using quantitative analysis, laboratory, remote sensing, field experiments, and qualitative assessment, this course links the physical and chemical weathering of planetary surfaces, including the fundamentals of fluid flow, sediment transport, erosion, and deposition to processes ranging from microscopic to mountain building. A laboratory course, planetary surface processes focuses on collecting and using actual data sets and applying them to the sedimentary, tectonic, and atmospheric history of a planet.
Prerequisites: GEL 102 or PHY 100 or permission of the instructor.

GEL 210: Environmental Geology
A study of the relationship between man and his geological habitat. Problems hat society faces in using the earth are examined, including case histories of natural disasters and human interactions with earth materials. Geo-chemical cycles, geological materials, and land use will be examined as they relate to environmental quality.
Prerequisites: GEL 100 - 101

GEL 220CT: Mineralogy
An introduction to the structure and chemistry of minerals allows development of an understanding of how minerals form and why they have specific physical and chemical properties. Laboratory work emphasizes a wide variety of practical techniques for the identification of minerals both in the lab and in the field.
Prerequisites: GEL 100 - 101

GEL 230WI: Paleontology
This course is a study of invertebrate and lower vertebrate life as revealed in the fossil record. The invertebrate phyla are used to illustrate evolutionary patterns, speciation, and the use of fossils in stratigraphy. The invertebrates and lower vertebrates are treated systematically. Chief emphasis is on organic hard parts. Fossils are collected in the field, then prepared and identified in the laboratory.
Prerequisites: GEL 102-103

GEL 237: Field Methods in Oceanography
A course to familiarize students with the dynamic marine environment and field work on board small research vessels; to instruct in the use and application of standard oceanographic instruments and sampling devices; to promote and encourage independent research through the initial stages of a scientific project.
Prerequisites: GEL or MAR 110-111 or Consent of the Instructor

GEL 302: Economic Geology
All metals, many raw chemicals, and other materials in our daily lives, including glass, ceramic, aggregate, and cement, are won from the earth by mining mineral deposits. Economic geology is the study of how these mineral deposits form within the earth and how we explore them. This course in economic geology will investigate both the processes that form mineral deposits, as well as practical exploration strategies currently used in industry.
Prerequisites: GEL 100 - 101

GEL 304CT: Structural Geology
Structural geology studies the way rocks deform on scales ranging from the microscopic to plate tectonic. This course investigates how rock fold, fracture, and even flow. This knowledge leads to an understanding of how mountain ranges form, where natural resources occur, where groundwater pollutants migrate, and what controls ground stability in construction. The course also explores the history of the earth from a plate tectonics perspective. Projects include both laboratory studies and mapping exercises of deformed rocks in the field.
Prerequisites: GEL 100-101 and GEL 102-103

GEL 316VL: Petrology and Geochemistry
This course introduces the fundamentals of geochemistry in the context of igneous and metamorphic petrology. Understanding the basic principles of the chemical processes within the earth sets the stage for investigations of how magmas form and crystallize, and how pressure, temperature, and fluid-rock interaction change rock mineralogy and texture. Understanding the environments in which rocks form leads to the development of models of geologic processes that form these kinds of rocks. Laboratory work focuses on practical application of these concepts to mapping rocks in the field and studies of rock suites from all over the globe using petrographic microscopes. PREREQUISITE: GEL 220 Mineralogy, CHM 100 General Chemistry I.
Prerequisites: GEL 220 & CHM 100

GEL 320: Optical Mineralogy
The unique interactions between crystals and light allow the use of specialized microscopes for the study of rocks and minerals. This course investigates these fascinating phenomena and applies them toward the microscopic determination of minerals and their intergrowths. Projects focus on basic mineral identification and application of that data toward solving basic petrology problems.
Prerequisites: GEL 220-221

GEL 324: Geomorphology
This course involves the study of the evolution of landforms. Tectonic forces, climates and biological forces, the processes of weathering, mass wasting, and erosion in the formation of the surface features of the earth are considered. The interpretation of geologic and topographic maps, laboratory exercises, as well as individual field studies are an important part of the course. Laboratory work and field trips are required.
Prerequisites: GEG 010 or GEL100/101.

GEL 346WI: Sedimentology and Stratigraphy
The basic composition, transport, diagenesis and distribution of sediments are introduced along with the principles governing the classification, correlation, interpretation, of stratified rocks are presented by means of lectures, laboratory exercises and field trips. Laboratory exercises demonstrate procedures used in analyzing and presenting stratigraphic data. Field trips are employed to introduce the student to stratigraphic principles and local stratigraphic problems.
Prerequisites: GEL 100 and GEL 102 or GEL/MAR366 or Permission of he Instructor

GEL 358CP: General Geophysics
The study of applied near-surface geophysical methods such as gravity, magnetics, seismic refraction, seismic reflection, electrical resistivity, electromagnetic induction, ground penetrating radar, and borehole logging. The laboratory exercises and field work using portable geophysical equipment will familiarize the students with the various methods used to collect and interpret geophysical data. (This course is also offered under the MAR 358 designation.)
Prerequisites: GEL 100 or GEL/MAR 110 and PHY 40/42 or PHY 100/102

GEL 362QL: Hydrogeology
This course deals with the study of the subsurface waters of the Earth, their occurrence, circulation and distribution, their chemical and physical properties and their relation to the geologic environment. The laboratory exercises and field work will familiarize students with various methods used to collect and interpret hydrological data.
Prerequisites: PHY 40 or PHY 100 are prerequisites. PHY 42 or 102 are co-requisites for which you must be enrolled to take PRIOR to adding this course to your schedule.

GEL 366: Marine Geology
A study of the structural and sedimentary environments of the continental shelf, slopes, and ocean basins. The crustal structure of the earth and its relation to the sedimentary record and geologic history of the ocean is examined. Sampling and laboratory procedures used by the marine geologist are introduced.
Prerequisites: GEL 100 or MAR 110 or permission of the instructor

GEL 368: Research in Geology I
This course involves field, laboratory and library research on a topic of geological nature. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student. The combined credit total for Research in Geology I and II is up to 6 semester hours. PREREQUISITE: 12 semester hours of geology courses and consent of the instructor.

GEL 369: Research in Geology II
This course allows a student to continue working on a project which was started in GEL 370 or to investigate a new topic. The work will be supervised by a faculty member and the research topic will be acceptable to both the supervising faculty member and the student. The combined credit total for Research in Geology I and II is up to 6 semester hours. PREREQUISITES: GEL 368 Research in Geology I and consent of the instructor.

GEL 370: Seminar: Selected Topics in Geology
Via independent study or small group seminars, the student learns academic self discipline and how to gather, interpret, evaluate and collate the large amount of knowledge available in the literature.

GEL 371: Seminar: Selected Topics in Geology
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in Geology. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 total hours credit.

GEL 372: Seminar: Selected Topics in Geology
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in Geology. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 total hours credit.

GEL 373: Seminar: Selected Topics in Geology
Through individualized instruction or in small group seminars, the student will study a timely or specialized topic in Geology. The most appropriate media of instruction will be chosen to meet the specific goals of student and instructor, and these may include faculty and guest lectures, discussion, problem sets, completion of a review paper, student oral presentations, field trips, and student projects which do not fall into the category of laboratory research. Prior to registration, the student must arrange for a faculty supervisor and obtain the permission of the Department Chairperson. May be repeated for a maximum of 6 total hours credit.

GEL 380WI: Senior Seminar in Geology
Readings and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Geology. Required of all Liberal Arts students majoring in Geology.

GEL 390: Internship in Geology
Supervised, practical work experience in laboratory and/or field situations. Students interested in developing an individualized vocationally oriented program which may assist in future career options may structure a work-study experience with the cooperating agency or organization. A proposal outlining the work-study experience should be submitted to the student's supervising faculty member and the department chairperson. Clock hours will be determined by the cooperating agency or organization. Semester hour credit will be based upon the proposal and scheduled clock hours, but a maximum of 4 credits may be applied toward Arts and Sciences electives. Additional credit cannot be applied to the 128 credit hour graduation requirements.

GEL 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

GEL 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

German

GER 101: Elementary German I
A course for beginners to develop basic skills in pronunciation, aural comprehension, speaking and reading. The selection of course materials emphasizes social and cultural values. Offered in two semesters of three hours each.

GER 102: Elementary German II
A course for beginners to develop basic skills in pronunciation, aural comprehension, speaking and reading. The selection of course materials emphasizes social and cultural values. Offered in two semesters of three hours each.

GER 103: Intermediate German III
Students who have satisfactorily completed six hours of elementary German, or who have had at least two years of German in high school, will continue the development of the basic skills in aural comprehension, speaking and writing, with emphasis on independent readings. Offered in two semesters of three hours each.

GER 104: Intermediate German IV
Students who have satisfactorily completed six hours of elementary German, or who have had at least two years of German in high school, will continue the development of the basic skills in aural comprehension, speaking and writing, with emphasis on independent readings. Offered in two semesters of three hours each.

GER 213: Business German
Business German is the study of German business terminology and phrasing and of the formal aspects of conducting business in German speaking countries. It covers such topics as banking, transportation, telecommunication, and tourism. The study of the geography and sociology of the German speaking countries will be included. Translation, correspondence, and telecommunication skills will be practiced, as well.

GER 230: The German Fairy Tale
This course reintroduces students to Grimm fairy tales in contexts quite different from their reputations as mere bedtime stories for children. The course will treat both well-known and more obscure fairy tales, focusing on their genesis, commonalities, differences, violence, gender bias, and the excisions and revisions undertaken by the Grimm brothers. Feminist and modern reworkings of the traditional tales will also be studied. Tales by other German authors will be examined. (In German)
Prerequisites: GER 211 or 212

GER 232VLWI: The German Graphic Novel
The German Graphic Novel implements the alternative text format as a linguistic and cultural product in order to help students continue building German language skills and cultural knowledge, including history and contemporary cultural trends and criticism. The course is designed to support a cognitive transition between basic courses (100 level) and more advanced literature and cultural courses (300 level). (Taught in German)
Prerequisites: GER 211 or 212

GER 253: German Literature in English Translation I
GER253 This course is an in-depth study in English translation of some outstanding works in German literature. It is devoted to German writers from Lessing to E.T.A. Hoffmann. Its sequel, ENG/GER 254, is a continuation of ENG/GER 253 and treats outstanding writers from Realism through the 20th century. Either semester may be taken independently.
Prerequisites: ENG23, ENG24 or ENG25

GER 254: German Literature in English Translation II
GER254 This course is an in-depth study in English translation of some outstanding works in German literature from Realism through the 20th century. It is a continuation of GER 253. Either semester may be taken independently.
Prerequisites: ENG23, ENG24 or ENG25

GER 260: German Cinema in English
This course investigates German cultural and historical impulses as told through 20th and 21st century German film. Students survey films from selected periods, and discuss predominant themes as well as aspects of film technique that support critical interpretations.

GER 304: German Culture Through Film
This course investigates German cultural and historical impulses as told through twentieth- and twenty-first century German film. Students survey films from selected periods, and discuss predominant themes as well as aspects of film technique that support critical interpretations.
Prerequisites: GER 211 or GER 212

GER 360: Study Abroad Experience
This course permits approved study abroad experiences to be counted in the Student's German major (B.A. and B.S.Ed.), minor or concentration. Prior to an approved study abroad experience, any students majoring in German may, with the input and approval of her/his advisor, request that 1 6 credit hours be granted toward her/his major based on the activities to be undertaken. Any student minoring in German or seeking a concentration in German may request that 1-3 hours be granted based on the activities to be undertaken. Students are required to prepare a written request to the advisor giving a description of activities and a rationale for requesting credit. This course is available only to students majoring, minoring or earning an Elementary Education concentration in German who complete an approved study abroad program and meet evaluation standards approved by the German advisor.

GER 370: Selected Topics In German
Selected Topics in German.

GER 371: Selected Topics In German
Selected Topics in German.

GER 372: Selected Topics In German
Selected Topics in German.

GER 373: Selected Topics In German
Selected Topics in German.

GER 374: Selected Topics In German
Selected Topics in German.

GER 375: Selected Topics In German
Selected Topics in German.

GER 376: Selected Topics In German
Selected Topics in German.

GER 377: Selected Topics In German
Selected Topics in German.

GER 378: Selected Topics In German
Selected Topics in German.

GER 379: Selected Topics In German
Selected Topics in German.

GER 380CDCT: Senior Seminar In German
This course consists of extensive readings, intensive oral work in the form of discussions and in-class presentations, and written paper(s) for the comprehensive exams in German. The content of the course will revolve around solidifying the students knowledge of historical and cultural content. Taught in German. Prerequisites: 27 Credits minimum completed in GER at 200-level or above

GER 390: International Internship in German
This course is designed for the student wishing to spend an extended period of time abroad or at an approved domestic agency/organization in either an internship situation or non-traditional studies. Students must demonstrate that the internship or non-traditional program will be conducted in the foreign language of study and will be adequately supervised. They must present written details of the program including objectives and method of study, to their academic advisor, for approval prior to the period of study. Students must present a written journal, paper or other material to the Program Director on their return and be prepared to make a presentation about their experiences.

GER 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis

GER 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

GER 470: Selected Topics In German
Selected Topics in German.

Health

HEA 102: Introduction to Health and Wellness
This course is designed to provide an overview of current issues impacting the health and quality of life of adults, to develop and expand a base of knowledge upon which to make informed health decisions, and to encourage development and implementation of proactive personal health management strategies.

HEA 370: Selected Topics in Health
This course presents an in-depth, analytical study of a selected topic in Health. Content will vary depending upon the timeliness and relevance of subject material, interests of the professor and/or student demand. The course may be taken for credit twice provided the same topic is not repeated.
Prerequisites: Either HPD 110, 115, 116, 120 or permission of the professor.

HEA 380: Independent Study in Health
Independent Study provides an opportunity for students to pursue scholarly activity in an area germane to the discipline of Health Education not covered within the context of a regularly offered undergraduate course in Health or Wellness. Undergraduate students may schedule this course for one to three credits in a single semester, with no more than six credits for Independent Study overall. Permission of the faculty of the Health, Physical Education and Dance Department is required.

HEA 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

History

HIS 14CD: History of Civilization A
This course will examine the origins, development and interconnectedness of major world societies to ca. A.D. 1600, focusing on the evolution of Western Europe and its importance in shaping the modern world.

HIS 15: History of Civilization B
This course will examine the development and interaction of major world societies from the sixteenth century to the present, focusing on the evolution of Western Europe and its importance in shaping the modern world.

HIS 25: U.S. Formative Years And The Federal Republic
This is an introductory course in American History covering the period from the nation's colonial beginnings to its threatened destruction in the Civil War. The central part of the course deals with the development of American habits of thought, institutions and culture from 1607 - 1865. Focus is given to the development of slavery and the role of men and women from different ethnic groups in shaping the American experience.

HIS 26: History of The United States: The Emergence of Modern America
This is an introductory course in American history beginning with Reconstruction following the Civil War and stressing the emergence of a dominantly urban-industrial society, the expanded role of government and America's increased role in world affairs.

HIS 33: Conspiracies and Modern American History
This course will examine some of the major conspiracies of the past century, such as the Kennedy assassination, the September 11th attacks, and more recent controversies surrounding geoengineering and climate manipulation. The truth is out there. To find it, we will seek out, find, and evaluate the evidence underpinning some of the most important events in modern times.

HIS 34: Families and Personal Lives in American History
This course surveys the changing ways that social groups have utilized families to fulfill fundamental practical, psychological and cultural functions from colonial times to the present. In particular, the course explores how codes of power and obligation have been challenged by the heightening of individuals' aspirations for autonomy and happiness and the ways that family celebrations and rituals, such as wedding ceremonies, have been relied upon to reconcile the ideal of family commitments with the ideal of personal fulfillment.

HIS 36: History of Science: From Ancient to Modern Times
This course will introduce students to the key trends and developments in the history of scientific thought in the Western World.

HIS 72: Selected Topics in History
Study of selected topics in history. Students may take the course for credit an unlimited number of times provided they are different topics.

HIS 106: History and Culture of Turkey
Spanning two continents, Turkeys stands as a crossroads of some of the most important historical and cultural trends in the world. This course will explore the cultural history and current developments in turkey, through readings, lectures and study abroad experience in Turkey itself. Students will gain knowledge of the multiple historical influences on the development of Turkey by visiting major architectural, historical and archeological sites in various parts of the country. Students will also have an opportunity to experience and observe modern Turkish culture through lectures, participation in events, and visits to important Turkish institutions. This course will serve as a basis for a study abroad program in Turkey.
Prerequisites: Permission of Instructor

HIS 111: The World Turned Upside-Down: Early Modern Europe
This course is designed to study the political, economic, social, and intellectual development of Europe in the 17th and 18th centuries.

HIS 112: Revolution, Progress and Conquest: Europe in the 19th Century
This is a survey of political, economic, social and diplomatic developments in Europe from the Congress of Vienna to the outbreak of World War I.

HIS 120: History of Pennsylvania
This course examines Pennsylvania from its colonial beginnings to the present time. Special attention is given to the peculiar institutions and problems of the state, the diversity of the people, and the place of Pennsylvania in the American political and economic scene.

HIS 121: American Environmental History
This course will investigate major trends in the American environmental history from European contact with North America to the present. Focusing on the period after Columbus, this course explores the influence of nature, including climate, topography, plants, animals, and microorganisms, on human history, and the reciprocal influence of people on nature. Field experiences will provide opportunities to learn outside the classroom. Topics include the biological consequences of the European encounter with the Americas, the taming of the wilderness in the colonial era, the environmental impact of technology, the "wire use" ethic of resource management, changing attitudes towards nature at the turn of the twentieth century, and the roots of the current environmental concerns.

HIS 125: America in the Sixties
The course will examine the 1960s, an era that brought great social change to America, and will cover, in depth, the era that began with the election of John Kennedy in 1960 and concludes with the ending of the Vietnam War on January 27, 1973. Social, political and cultural themes will be taught through coverage of topics including: the presidencies of Kennedy, Johnson, and Nixon; the Civil Rights Movement, the Vietnam War and the antiwar movement; the New Left and the Right; the rise of Black political consciousness and radicalism; the countercultural and the surge of the youth culture; the emergence of an array of social movements including feminism, gay liberation, and environmentalism. Attention shall be paid to the music and films that portray contemporary culture. Be forewarned that the materials that will be read and viewed will include language and imagery that one may find disturbing, startling, or shocking and may be seen by today's standards as ageist, sexist, racist, violent, or even obscene.

HIS 126: Hitler's Rise to Power
This course will offer students an opportunity to learn about Adolf Hitler's and Nazism's rise to power in the context of the history of Germany's Weimar
Republic (1918-1933).

HIS 131CD: History of Latin America: Colonial
This course begins with a survey of the Iberian and American backgrounds of the Latin American peoples. This is followed by a study of the Pre-Colombian Indians, exploration and colonization, colonial institutions and the Wars of Independence.

HIS 150CD: Minorities in American History
This course examines the experience of various minority groups - European, Black, Indian, Puerto Rican - in America.

HIS 151CDWI: EAST ASIA to 1800
This course will survey the development of the people of East Asia with special emphasis on their traditional ideas, social trends and political institutions to about 1800.

HIS 155: History of the Middle East
This is a study of civilization that developed in the Middle East, culminating with the zenith of the Ottoman Empire in 1683. Similarities and differences with Western cultures will be stressed. The rise and spread of Islam as the major religion of the area will be of special interest in this study.

HIS 157QL: American Population History
This course traces how the size of population of the territory that now constitutes the United States has changed from the pre-colonial era to contemporary times. Population size reflects migrations, births and deaths. To investigate those three factors, the course explores topics such as the slave trade, war, disease, patterns of economic and sexual behavior and the ways in which gender, ethnicity/race and class are embedded in America's population dynamics. The course utilizes quantitative information as well as other types of evidence. Students need only basic math skills to master the course's quantitative content.

HIS 161CDCT: History of Africa to 1800
This course will survey the development of the peoples of Africa with special emphasis on their traditional ideas, social trends and political institutions to about 1800.

HIS 168: Selected Topics in U.S. History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 169: Selected Topics in European History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 170: Military History of the United States
This course will consider the evolution of the American military system, its employment in domestic and international affairs and its impact on American society.

HIS 172: Selected Topics in African/Middle Eastern/Latin American/Asian History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 204CDCT: Women in African History
This course examines the roles women have played within the diverse African societies and over the long historical periods in Africa. African women, as historical players, will be studied from the origins of early human history to post-colonial Africa. This course will challenge students to understand that gender has been historically conceptualized and that in Africa a diverse range of societies have developed gender systems that accord significant power and prestige to women.

HIS 205: Selected Topics in U.S. History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 206: Selected Topics in European History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 207: Selected Topics in African/Middle Eastern/Latin American/Asian History
Study of selected topics in history. Students may take the course for credit an unlimited number of times with different topics.

HIS 209: The Early American Republic, 1789-1848
This course will investigate major trends in the American history from the election of George Washington to the close of the Jacksonian era, 1789-1848. Attention will focus on significant political, diplomatic, economic, social and cultural developments during the period.

HIS 210: History of Russia and the Soviet Union
This course is a study of the internal development and external relations of Russia, the Soviet Union, and its successor states from the 9th through the 20th centuries. Topics of inquiry include geographic and climatic factors shaping Russian history; early Kievan Rus; religious, political, and economic influences on the development of Russian autocracy; Westernization in Tsarist Russia; reform and revolution in the nineteenth and early 20th centuries; the Soviet system and its cultural borrowings from the past; the East-West confrontation; nationalism and separatism in the Soviet republics; and recent developments in Russia and the Commonwealth of Independent States (CIS).

HIS 215: History of England
The rise and development of England and the British Empire will be surveyed from the pre-Roman era to the twentieth century. The course will emphasize the evolution of British political institutions.

HIS 217: Making of Modern England
This course will present the political, economic, social, intellectual, and religious history of England from 1830 to the present.

HIS 218: The Age Enterprise 1865-1939
Designed to explore the emergence of the United States as a major economic and industrial power, this course examines various factors contributing to its industrial growth, benefits and problems accompanying this development, and consequences resulting from the economic changes.

HIS 219WI: The History of the French Revolution, 1760 1815CE
This course will examine the History of the French Revolution from its origins in the Age of Enlightenment until the collapse of Napoleons empire (1760-1815 CE). It will have a particular focus on how the French Revolution fits into a context of social and cultural developments throughout the Western world, and how it influenced the development of modern Europe.

HIS 220: Ancient World
This course is a survey of civilization as it emerged and developed in the Ancient Near East, followed by a detailed study of classical Greece and Rome.

HIS 221: Ireland Since 1798
This course will examine the evolution of Ireland from a colony to an independent state. Chronologically the course begins with the 1798 rebellion against English rule and then considers the Great Famine of the 1840s, the War of Independence and the partition of Ireland from 1916 to 1922. Other twentieth-century topics include the Troubles in Northern Ireland and Ireland's membership in the European Union. Thematically the course will focus on the nature of Irish nationalism, the effects of the Irish Diaspora at home and abroad, and the transformation of Ireland from an impoverished colony to one of the richest states in the European Union at the start of the twenty-first century.

HIS 225: A History of the Jewish People in Modern Times
The course begins with an introductory unit focusing on the emergence of the people of Israel and their traditions and the medieval meeting of Christians, Moslems, and Jews. Attention will then turn to an investigation of selected topics in the history of the Jewish people in modern times. Such topics include the socio-economic development of Jewish communities in Europe and America, anti-Semitism in 19th century Europe, Hitler's attempted "final solution" - the Holocaust, and the creation of the modern state of Israel.

HIS 227: History of the Holocaust
This course is a study of the Holocaust in Nazi-dominated Europe. It focuses on Nazism's mass murder of European Jewry and other targeted groups that produced a mosaic of ethnic, social and political victims. Special attention centers on Germany's pursuit of genocide, and how that quest was heavily dependent upon foreign help provided by Nazi allies, vanquished states, and collaborationist governments constituting much of Europe.

HIS 228: A History of Religion in America
This course will trace the religious history of the American people from colonial times to the modern period. It will examine American religious history within the larger frame of world history. Particular attention will be given to the diversity of American religious movements and the role of secular movements and convictions, some of which sought to supplant the churches.

HIS 229: American Urban History
This course analyzes the transformation of American society from a rural to an urban nation. It will examine the roles that cities have played in the United States' economic, social, cultural, and political evolution from colonial times to the present. The course will pay particular attention to the class and gender dynamics, the ethnic/racial conflicts and accommodations, and the reform movements that incubated in American cities and reshaped the nation.

HIS 230: Topics in the History of American Popular Culture
This course examines American popular culture throughout the history of the United States, focusing on popular culture as an important means of public expression and as an indicator of major social trends. By addressing the origins of past cultural events, this course will also provide students with a better historical context to understand the current dynamics of contemporary American popular culture.

HIS 232CD: History of Latin America: Modern
This course is a study of the history of the Latin American nations which have emerged since the Wars of Independence, 1825. Emphasis will be placed on the social, economic, political, cultural, and religious developments of these nations as well as the relationships of these nations to others in the hemisphere and the world.

HIS 233: 20th Century Latin American Revolutions
This course will examine the origins and evolution of five twentieth century Latin American revolutionary movements. It will trace the circumstances that produced rebellion, the ideology that guided them, and the attempts to transform revolution into sovereignty. This course will try to discern common features and important departures that have characterized Latin American revolutions in the last one hundred years. In doing so, it will offer the student a better means to interpret the history of the hemisphere and its people.

HIS 234WI: The History of France, c. 100 BCE to the Present
This course will examine the history of France from ancient to modern times, tracing its course of development from a collection of diverse regions to a modern nation-state. It will give particular focus to France's unique contributions to Western culture and its enormous influence on other nations including the United States.

HIS 235: Europe of the World Wars
This course begins with a survey of European conditions at the opening of the twentieth century. This is followed by a study of World War I and its settlement, the rise of the totalitarian states and their rivalries with the democratic states of Western Europe, the outbreak of the Second World War, the post-war settlement and the beginnings of the Cold War.

HIS 238WI: Europe During the Reformation: 1500-1650 CE
This course will examine the history of Europe during the religious Reformations that occurred between roughly 1500 and 1650 CE. It will focus on the cultural origins and consequences of the reform movements in the Protestant and Catholic worlds, as well as the role of religious violence and warfare in shaping the modern West.

HIS 240CD: African American History
This course examines the Black American experience to present times. Topics for consideration include the African heritage, the slave trade, slavery as an institution, the civil and political status of Blacks during the Civil War and Reconstruction eras, the full development of economic, social and political segregation and the modern protest movement.
Prerequisites: HIS 025 or HIS 026, or 45 College Credits, or permission of instructor.

HIS 241CD: History of Women in America
This course is a study of woman's role in American life tracing her effect on the nation's history.

HIS 243: Business History of US
A study of the historical development and influence of business in the United States from the colonial period to the present with an emphasis on the nineteenth and twentieth centuries.

HIS 244CD: Immigration and Ethnicity in American History
This course surveys the ways in which immigration has helped shape American history from the colonial era to present. The course examines homeland conditions and cultures and the processes of migration that resulted in the "peopling" of America as well as the evolution of ethnicities, races and "American" nationality. While the course emphasizes the pre-1965 period, that emphasis provides a basis for a fuller comprehension of the implications of the post-1965 wave of immigration to the U.S.

HIS 245WI: The United States 1900-1945
This course is a topical examination of modern America from the times of Theodore Roosevelt through the end of World War II focusing on significant domestic, diplomatic, economic and social developments.

HIS 246: The United States Since 1945
This course will investigate major trends in American history from the Second World War to the present. Attention will focus on significant political, diplomatic, economic, social and cultural developments during the period. Selected topics for consideration will include the growth of and challenges to presidential power, America's changing role in world affairs, the meaning for the United States of the war in Vietnam, and the impact of prominent social movements on American society.

HIS 247WI: Work and Workers in American History
This course reviews the work that American people have performed from colonial times to the present and explores the evolving roles played by workers in shaping American history. The course devotes special attention to analyzing ways in which social class interacts with race/ethnic and gender dynamics. Finally, the course explores the ways in which workers have organized and struggled to improve the conditions of their own lives and promote social equality.

HIS 252WI: American Colonial History
This course provides an overview of the founding of the American colonies through 1763. The European influence on the colonial experience will be examined along with the establishment of social, political, and economic institutions.

HIS 254WI: History of China and Japan since 1800
This course will examine the political, social and economic factors which have contributed to the modernization of China and Japan.

HIS 256: The Modern Middle East
This course is concerned with developments in the Middle East in the modern era, with an emphasis on the nineteenth and twentieth centuries. The interaction of the various national and religious groups and their impact on the modern world will be considered.

HIS 257: Introduction to Public History
This course will provide an introduction to selected areas of the public history field for those students who would like to know more about career and employment opportunities outside of academic teaching and research.

HIS 258: China's Golden Age
This course will lead students through the history of China from the Tang through the Qing dynasties. Students will gain a greater understanding of the evolution of Chinese society during this period through a study of political, economic and social developments. This course will also provide students with and in-depth look at this area's involvement in world trade with a particular focus on the region's connection to the West.

HIS 259: America and World War II
This course examines World War II as an event that created U.S. superpower status, prompted a permanent expansion of the federal government in everyday life, and initiated a rights revolution in American society.

HIS 260: Historic Preservation Studies
Students in this class will learn about the origins of the Historic Preservation movement, discover the impact of the 1876 Centennial on sparking an interest in our own history, learn about the development of period rooms in American museums, study the rise of regional historic preservation organizations, become acquainted with the Federal role in historic preservation, understand the rapid expansion of the preservation movement in the 1960s, and discuss the historical and theoretical issues in historic preservation studies.

HIS 261CDWI: History of Africa Since 1800
Africa has played an increasingly prominent role in world history since 1800. Imperialism, the two world wars, decolonization, and the Cold War all had important African phases, as do contemporary issues, such as HIV, ethnic conflict, and the debt crisis in the developing world. This course will provide undergraduates with the historical context to understand current international developments.

HIS 274: Honors: Tudor-Stuart England
The course will examine social and political developments in sixteenth and seventeenth century England, focusing on the changing nature and institutions of power and authority in English society.

HIS 276: The Pennsylvania German Landscape
This course examines the development and evolution of the rural Pennsylvania German landscape from 1682 through the present. Students completing this course shall engage in readings discussions, visit museums, conduct fieldwork, and engage in a hands on restoration project. Students will gain a broad understanding of the social history and visual culture of the Pennsylvania Germans as they study their architecture, rural way of life, decorative arts, and material culture.

HIS 300: Diplomatic History of the United States
This course traces the evolution of American foreign policy from the era of the American Revolution through the post-Cold War contemporary era with a study of the major problems in foreign relations, which arose during that period.
Prerequisites: History of the United States or other evidence that the student has an adequate background in American history.

HIS 303: American Intellectual & Social History to 1865
A study of social reform movements, religion, science, literature, education, and the arts from colonial days of the Civil War.

HIS 310: Constitutional History of the United States
This course is a study of American constitutionalism and constitutional development from the debates of the Philadelphia Convention in 1787 to the civil rights issues of the post-World War II period. Constitutional issues such as state's rights, the rights of minorities, and the expansion of executive power will be examined within the context of American cultural and economic development and governmental practice.

HIS 311: Revolutionary America
This course provides a comprehensive study of the period from the French and Indian War to the ratification of the Constitution. It will examine the origins of the Revolution, along with the major social, political, military, and cultural developments of the era.

HIS 325WI: The Middle Ages
This course is a study of the historical evolution of medieval European civilization, focusing on political and religious developments, economic and social changes, and intellectual and cultural achievements.

HIS 328WI: Europe During the Renaissance: 1300-1550 CE
This course will examine the history of Europe during the period commonly known as the Renaissance. It will look at the long-term significance of the culture of humanism, its complex relationship with medieval society, and its role in shaping the modern West.

HIS 335: Civil War and Reconstruction
This course will discuss the crisis of the Ante Bellum period, the conflict of the "War Between the States" and the successes, failures and legacies of Reconstruction.

HIS 341: Problems in Slavery and Abolition
This course is an intensive investigation of the institution of American slavery and the attempts to eliminate it. The course content will emphasize some of the major controversies in historical literature regarding slavery.

HIS 353WI: Communist Revolution in China
This course will examine the history of the Chinese Communist Party (CCP) from its formation in 1921 to the defeat of the Guomindang (GMD) in 1949. Students will gain a better understanding of the political circumstances under which Marxism developed in China, the tensions between the GMD and the CCP, and the development of CCP policies during the 1930s and 1940s. The course will also spread beyond 1949 to consider how close to the original revolutionary ideas China has remained as it emerged as a world economic power.
Prerequisites: HIS 014 or 015 or 151 or 254, or 45 College Credits, or permission of instructor.

HIS 357: The Missionary Enterprise in China
This course will critically evaluate the Christian missionary enterprise in China from the sixteenth century to the immediate post-1949 period. Students will examine the contributions missionaries made to China's development by studying their work in religious and secular enterprises.
Prerequisites: The completion of 30 credits or permission of the instructor.

HIS 368: Selected Topics in History
Study of selected topics in history. Students may take the course for credit an unlimited number of times provided they are different topics.

HIS 369: Selected Topics in History
Study of selected topics in history. Students may take the course for credit an unlimited number of times provided they are different topics.

HIS 372: Selected Topics in History
Study of selected topics in history. Students may take the course for credit an unlimited number of times provided they are different topics.

HIS 378CTWI: Seminar in Historical Methods
The seminar will provide a general introduction to the nature and methods of history. Students will develop and improve their skills in historical research, communication, and methodology. The course is required of all B.A. history majors in their Junior year.

HIS 379: Independent Study in History
Independent Study affords any qualified student the opportunity to pursue a subject in history that either is not treated in sufficient depth to satisfy the student's academic interest or is not addressed in existing history courses. After securing approvals at the department and college levels for a program of study, the student works under the direction of a faculty member who will assign the grade. A student may take six semester hours of Independent Study but only three hours for three credits per semester. This course is restricted to students who have completed at least 24 credits.
Prerequisites: 24 credits completed

HIS 380WI: Senior Seminar in History
Through reading, research, writing and discussion, students will systematically examine significant topics in the history of historical writing, the methodologies employed by historians in their craft and the nature of history as a field of study. They will focus attention, primarily, on various schools of thought and interpretation concerning specific historical problems. This course is a requirement for all Liberal Arts students majoring in History.

HIS 390: History Internship
Internships are designed to give the student a supervised, work-study experience in the functions and day-to-day operations of public or private historical agencies, archives, museums, sites, or businesses. Internships are open to qualified students who have completed 24 credits and are majoring in history or other related fields. The number of semester hours will vary according to the program needs of the student and the requirements of the employing agency, from a minimum of 3 c.h. to a maximum of 15. Approval for an internship requires the completion of a History Department Internship Proposal form for review and approval by the department.
Prerequisites: 24 credits completed

HIS 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

HIS 398: Honors Supplementary Research
Supplementary research conducted by an Honors student in an upper-division (or 300 or 400-level) course in which the student is enrolled. The research is related to a topic in the course, but in addition to the standard requirements of the course, the research should exhibit advanced inquiry or investigation into the topic. The Honors student earns 1, 2, or 3 credits in addition to the credits for the course itself. The number of additional credits depends on the amount and intensity of the supplementary research. Each department in the College of Liberal Arts & Sciences has a specific course number which uses the departmental prefix, but all courses will use a common number (398). The course title will read "Honors Supplementary Research" and will have a variable credit value from 1 to 3 credits, e.g. ENG 398 Honors Supplementary Research.

HIS 423: The American West
This course studies American migration from the Atlantic seaboard to the Mississippi Valley, together with Spanish and French penetrations in the West. The course also examines explorations, acquisition and settlement of the Trans-Mississippi West, and the American Southwest with evaluation of the influence of the frontier and its institutions on the total history of the United States.

HIS 437: Indian-White Relations
This course will deal with Indian-White relations from the first contacts in the late 10th century through the empire-building attempts of the Spanish, Dutch, English and French in North America. Of primary concern is the expansion of the European Frontier at the expense of Indian Tribal lands and culture, and the resulting intra-tribal warfare as the eastern Woodland tribes were removed west of the Mississippi River by the Government Removal Act and Allotment Policy of the 1830's.

HIS 438: United States History Since 1914
This course is designed to investigate selected topics such as World War I, the 1920s, the Great Depression and the New Deal, World War II, post-war America and the Cold War.

HIS 462: Germany in the Twentieth Century
This course is a survey of Germany in the Twentieth Century. Emphasis will be given to major intellectual developments, World War I and the collapse of the Empire, the Weimar Republic and the rise of Hitler, the cataclysm of the Second World War and the divided Germany of the Cold War.

Homeland Security

HLS 100: Homeland Security
This course explores the many facets of homeland security, including terrorism, critical infrastructure, the environment, public health, the military, intelligence, civil liberties, and the criminal justice system.
Prerequisites: Students who have taken CRJ 310 may NOT register for HLS 100.

HLS 200: Homeland Security & Emergency Management
This course examines the impact of man-made and natural disasters on the homeland, and explores how terrorism has affected American society and the criminal justice system. Both the government and private industry must be able to respond to threats and disasters.
Prerequisites: Students who have taken CRJ 311 may not take this course because it is the same as HLS 200.

HLS 300: Homeland Security and Intelligence
This course examines the role of Intelligence in Homeland Security and the Criminal Justice System. It explores the increasing role of federal, state, local and tribal law enforcement agencies involved in the collection and sharing of several forms of intelligence. Major topics will include: the development of intelligence, the USA PATRIOT Act, the Foreign Intelligence Surveillance Act, and other changes in the law relating to national security and law enforcement intelligence issues.

HLS 310: Terrorism and Counterterrorism
Examination of the history, methods, and causes of terrorism with a focus on homeland security and law enforcement. Review the increased roles of government and business in preventing, investigating, and responding to terrorism.
Prerequisites: HLS 100

HLS 323: Development of National Security and The Judiciary
This course will examine how constitutional law has been raised, defended, defined and avoided both before and after the events of September 11, 2001. This course will examine how the three branches of government currently and have historically addressed the issues raised by threats to the national security of the United States. This course will give students a legal and historical context for understanding the current issues raised by national security needs in a post 9/11 world.

Human Kinetics

HPD 115: Health Maintenance/Nutrition & Exercise
The course is designed for students interested in the theoretical and practical aspects of losing weight or maintaining one's ideal weight. Recent medical and behavioral literature is reviewed and opportunities exist to make application of these theories to one's own health practices. This is accomplished by participation in a wide range of enjoyable activities to increase one's energy output and through discussion

Humanities

HUM 211CDVL: Women in the Arts
This course will provide an overview of women's creative achievements, experiences and status in the visual arts. The focus of this course is on gender; however, issues relating to the intersections of gender with race, class, national origin, ethnicity, age, and sexual orientation will also be discussed. As well, the course will explore the portrayal of women and the way in which cultural definitions of gender shape women's aesthetic expression.

HUM 390: Internship in Literary Studies
This course will provide supervised, practical work experience in the area of literary studies. The internship is available to students who have excellent academic records and who are interested in pursuing a career in literary-related fields. (8 c.h. - 3 s.h.)
Prerequisites: 60 or more credits completed and an overall G.P.A. of 3.0, or permission of advisor and department chair.

Instructional Technology

ITC 300: Instructional Media and Technology
The sensory techniques and materials employed in the learning process together with the principles involved in their utilization are discussed. Skills in specific techniques, criteria used for selecting sensory aids as well as methods of evaluation are studied. Activities include actual production of instructional materials.

ITC 331CPVL: Media and Technology in Education
The sensory techniques, technology and media employed in the learning process together with the psychological principles involved in their utilization are discussed. Skills in specific techniques and the criteria used for selecting technologies of instruction as well as methods of evaluation are studied. Activities include the production and application of instructional media.

ITC 336: Theories & Processes of Instructional Design & Tec
The course will analyze aspects of the instructional design process involved with designing effective technology rich lessons. Starting with a foundation of learning theory principles, and a sensitivity to curricular standards, the course will focus on two or three instructional design models to determine which would be the best to use for a particular design problem.

ITC 362: Digital Citizenship
This course is an introduction to digital citizenship and how it can be supported in K-12 schools and libraries. It provides a basis for understanding digital citizenship, the current trends in this area, and the potential needs students will face in the future. The course will help future educators and technology leaders see the importance of digital citizenship and identify ways it can improve teaching and learning with technology.

ITC 433: Synergetic Teaching with Technology
Student teacher and in-service educators will cooperatively develop and implement technology based instructional modules. Development of the modules will be founded on the technology training and background of the undergraduate participants and the practical pedagogical experience of the in-service participants. While the primary teaming goal is to combine a student teacher and in-service educator, two in-service educators, with prior permission of the instructor, could constitute a synergistic team. Distance learning technologies will be employed to deliver the content.

ITC 446: Development of Multi-Image Productions
The planning, production, and presentation aspects of multi-image productions are studied. The student will participate in all phases of developing a multi-image program. Recommended background: ability to operate a 35mm camera and familiarity with basic photography techniques.

International Studies

INT 10: Introduction to International Studies
Students will examine and analyze contemporary world issues and events. Topics include global interdependence, the environment, modernization, intercultural understanding, nationalism, and international conflict and cooperation. This course is required for the International Studies minor. Offered fall and spring semesters.

INT 101: Intercultural Communication
This course focuses on the newly emerging field of intercultural communication. The essential feature of the course is a presentation of the socio-psychological aspects of interaction among peoples who hold different values and assumptions. It emphasizes the analytic and comparative study of human communication in international settings in order to facilitate the learning of skills and techniques essential for successful cross cultural interaction. Subjects examined include variations and similarities in communication across cultures; the role of beliefs, customs, values, and norms in intercultural communication; and the interrelationships of society, culture, language and communication.

INT 111: International Environmental Issues
This course will examine environmental topics from an international perspective. Emphasis will be placed on selected major environmental problems and their related social, economic and political ramifications. An analysis of the linkages between and among population size and food supplies, living conditions and health, the potential for climate change, water and energy resources, and the role of technology in global inter-dependence will be presented.

INT 201: Selected Topics in International Studies
This course is an analytical study of a selected topic in international studies. Topics will vary depending upon the timeliness of the subject matter, the interests of the instructor, and/or student demand. The course may be taken for credit twice provided that the same topic is not repeated. 3 semester hours.
Prerequisites: INT 10 or permission of the instructor.

INT 310: European Union Simulation
This course involving the reenactment of international relationships introduces students to the history, policies and structure of the European Union through their class's preparation for and participation in the European Union Simulation held annually in Washington, DC. Each year students assume the perspective of a minister or another delegate on a team of representatives from one country to the European Union. The viewpoint of the member country emerging from this role-play is analyzed in detail in preparation for debates at the Simulation's European Parliament. In addition to a thorough understanding of the member country's political system and the views of its political parties on the social, political, economic or educational issues to be debated, preparation for the three-day simulation also includes studying the historical evolution of the European Union, and an examination of its political, social, economic, and institutional dynamics. A participation fee is required.
Prerequisites: INT 10 or permission of the instructor.

INT 375: Independent Study in International Studies
The Independent Study allows for individualization of the curriculum to meet legitimate, specialized needs of students through studies outside of the focus of existing courses within their programs. Under direction of a faculty member approved by the Director of International Studies, the student will investigate an area of academic interest that fits in one of the four major theme areas of the International Studies Minor.
Prerequisites: INT 010, plus one additional, INT course (six semester hours of INT completed).

INT 380: Seminar in International Studies
Under the supervision of selected faculty, students will be encouraged to integrate their studies from their major program with their minor area of concentration (international studies). Students will pursue a research project in their areas of interest and experience as evidenced by the courses they selected to fulfill the basic requirements for the minor in International Studies. Students will have the opportunity to discuss their research in class as well as to explore timely issues in international studies.

INT 390: International Studies Internship
The internship is designed to provide students with first hand, practical experiences in a variety of International contexts. An internship will normally consist of an overseas project or an appropriate domestic project having a substantial international component. Examples include working for an international agency at an overseas site, for the United Nations and for a domestic agency servicing immigrants or refugees. The internship is open to students with a declared minor in International Studies who have completed sixty-four credit hours (Junior status) by the start of the internship. Minors may take the internship for three or six semester hours.

INT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

Library Science

LIB 125: Microcomputers in Education
The course presents undergraduate education students with a basic knowledge of how to effectively utilize microcomputers in education. Students are involved in "hands-on" experiences with computer operation and software programs that include word processing and desktop publishing, graphics, spreadsheets, databases, authoring systems and telecommunications. Microcomputer technologies utilized in the contemporary classroom are examined. No previous knowledge or experience with microcomputers is necessary.

LIB 130: Folk Literature and Storytelling
A study of the principles of selection, adaptation and techniques of story-telling. Includes practical experience in storytelling to groups and planning story hour programs. A survey of folk literature, mythology, fables and modern stories provide the basis for stories to tell.

LIB 222WI: Resources for Young Adults
This course is designed as an exploration of print and digital resources that are relevant to the young adult and indispensable to public and school libraries. Students will study the evolution of young adult literature and resources, and young adult library resource and emerging genres, integration of digital resources, and young adult library resource promotional programs. Students will be reading young adult titles, writing, and sharing professional-style corresponding reviews based on the Children's Literature Comprehensive Database guidelines. Young adult library program activities will be examined.

LIB 310: English Language Learners in the Library
This course focuses on considerations including collection development, accessibility, and activities and/or instruction to address the information needs of the English Language Learner.

LIB 313: Cataloging and Classification of Information
This course is an introduction to the theory, concepts, and procedures of analyzing and organizing various formats of information including print and digital. Knowledge and skills are applied in a practical, hands-on lab environment.

LIB 326: Technologies in Libraries
This course is an overview of current and emerging technologies for libraries (i.e., integrated library systems (ILS), Internet, digital library resources, peripheral equipment and networks). Students will be introduced to the practical use of technology in libraries, and learn how to evaluate individual technologies. They will recognize the importance of a librarian's involvement in the overall technology program.

LIB 329: Instructional Strategies for the School Librarian
Students in this course will investigate the pedagogies, theories of educators and school library experts, and the perspectives that frame standards-based education. The focus will be on classroom management strategies and effective teaching strategies that will help the library science candidate meet the needs of diverse learners. Fieldwork: 30 hours.

LIB 350: Reading Interests of Adults
This course focuses on the critical evaluation and analysis of print and digital resources for adult library users. Emphasis is given to reading interests and popular culture.

LIB 362: Digital Citizenship
This course is an introduction to digital citizenship and how it can be supported in K-12 schools and libraries. It provides a basis for understanding digital citizenship, the current trends in this area, and the potential needs students will face in the future. The course will help future educators and technology leaders see the importance of digital citizenship and identify ways it can improve teaching and learning with technology.

LIB 405: Genealogical Research
Genealogical Research prepares students to assist patrons as they perform genealogy research, define family history writing objectives, and produce genealogy results for professional or personal needs in both traditional and electronic formats. The course is designed for librarians and other researchers interested in family histories.

LIB 420: Library Resources for Preschoolers and their Families
This course will provide an introduction to the development of the child from birth to age six, focusing on language acquisition and emerging literacy. It addresses the role of the family, care-givers and library in developing early literacy skills. The course will focus on library program planning, selecting of materials, and outreach and programming for preschool audiences, their families and care-givers.

LIB 471: Information Analysis and Retrieval
The basic principles and tools for information analysis and retrieval are considered in relation to database analysis, terminology control, question analysis, search strategy development, conducting searches, and the delivery of search results.
Prerequisites: LIB211

Library and Learning Technologies

LLT 118: Introduction to Information Search Strategies & Digital Literacy
Intended for a general education audience, this course explores information search strategies for successful research of student chosen topics. Software applications that support research, such as bibliographic generators, and collaborative listservs will also be discussed. Furthermore, this course will explore the impact of students' online presence and help them become more digitally literate to maximize their professional strengths.

LLT 200: Foundations of Information Science
This course explores historical approaches to knowledge gathering, theoretical foundations for the creation of organizational systems and current practices for organizing and efficiently retrieving knowledge. Historical and contemporary innovators and their contributions will be discussed. This class will explore the most commonly utilized organization systems in libraries, archives and information centers including classificatory schemes, finding aids and metadata. This class will also consider the variety of environments in which an information professional may be employed, including public, school, academic and special libraries, corporations, historical societies and museums and discuss the different roles, ethical practices, and responsibilities of professionals in these environments.

LLT 310: Information Resources and Services
This course presents the fundamental knowledge associated with the delivery of reference services to library users. The primary emphasis is on the evaluation, selection, and utilization of information sources used in reference service to respond to ready reference, research, and reader's advisory questions. Information sources will be identified, categorized, and contrasted to identify their chief values in providing reference service.

LLT 317: Integrating Assistive Technology into the K-12 Curriculum
Intended for pre-service teachers, this course explores research-proven strategies for using technology to assist those who have learning differences beyond those addressed by regular instruction and curricula. Discussions of research studies, awareness of innovative software and hardware that allows for greater flexibility in the learning environment, and development of useful course materials will provide teachers with a toolkit to implement and assess which technologies may maximize students' strengths.

LLT 320CDWI: Resources for Children and Young Adults
This course explores strategies for using literature and related materials for children and young adults in library settings. Students will examine the broad range of genres and discuss methods for incorporating literature into various curricular areas and public programming.

LLT 321CPVL: Technologies for the 21st Century Educator
This course explores teaching and learning with technology. Students will develop a variety of technology-based teaching and learning resources to support face-to-face, blended and on line learning environments.

LLT 324: Librarian's Role in Reading Strategies
This course is an introduction to the school librarian's role in ensuring students' reading success. The roles include the selection of materials that address the diverse needs of the learners including English as Second Language Learners, identification of resource materials that serve as tools for interactive think-alouds, and reinforcement of reading strategies within the information literacy curriculum.

LLT 330: Makerspaces and Technology Enhanced Programming
This course explores the evolution of the Makerspace movement as it applies to STEM and STEAM education. Students will investigate and actively engage in the facility, tools, resources, and technology as components that translate into creative project-based learning.

LLT 340: Management of Information and Technology Centers
This course provides an overview of management theory, policy and practice with an emphasis on the role of the librarian or technology coordinator as manager in library, school, academic and independent information center settings.

LLT 342: Public Librarianship
This course exposes students to the organization and operation of the public library. This includes administrative and financial control, governmental relationships, personnel management, administration of services, standards, buildings and equipment, library extension services, current and emerging technologies, resource sharing, fundraising, and public relations.

LLT 345: Problem-Based Learning Through Instructional Technology
The goal of this course is to prepare education students to effectively integrate instructional technologies into the K-12 curriculum. Students will construct a theoretical foundation and rationale for integrating instructional technologies. Integration models and successful teaching strategies will be examined.

LLT 347: Selected Topics
Topics that are of current interest in the field of librarianship will be selected for in-depth study. Course content will change each time the course is offered. The course may be repeated once for credit. (Permission of the instructor.)

LLT 350: Collecting and Curating Print and Digital Collections
This course provides an overview of the processes, policies, and procedures associated with developing, evaluating, and utilizing a library collection. Emphasis is placed on the development of a working philosophy which recognizes the interrelationships of principles, policy, and management. The basic techniques and materials used by librarians to provide reference and readers' advisory services in a library will be introduced.

LLT 360: Organization of Information, Metadata and Library Technologies
Through the use of an Integrated Library System (ILS) students will learn the essential components of library management functions using the technology of circulation, cataloging and classification, and use of necessary reports. Students will learn how to create metadata to apply to online cataloging and classification as it pertains to various and emerging text and digital resources. With the focus on the librarian's role as a technology leader this course is also an overview and evaluation of current and emerging technologies for libraries.

LLT 364: Preservation, Digitization, and Archiving
This course introduces current theory and practice in the areas of preservation and digitization of library materials. Primary topics are: environmental standards for archival areas; storing, organizing and cataloging special collections; repair and stabilization or paper-based items; digitization of unique materials; metadata standards; and online exhibition of images.

LLT 365: Emerging Technologies for Educators
Students will explore a variety of emerging Internet options suitable for use in the classroom and library settings. Students will discuss the history, theory, communication facilities, and educational activity structures relevant to the process within a standards based educational setting. The Internet will be the primary resource examined.

LLT 370: Educational Program of the Library
This course is designed to focus on the curriculum-related responsibilities of the library program. Emphasis is placed on information and digital literacy instruction and curriculum suppo1t services. The role of the librarian as teacher, technology leader, collaborator, and program administrator in the contemporary school, public, and academic library program is investigated.
Prerequisites: College of Education majors only

LLT 380: Independent Study
Independent Study is based on a student's pursuit of a subject in Library Science not covered within a regularly offered undergraduate course in Library Science. Undergraduate students may schedule this course for one to three credits in a single semester, with no more than six credits for Independent Study overall. Permission of the faculty of the Library Science Department is required.
Prerequisites: College of Education majors/minors only

LLT 385: Digital Portfolios
The goal of this course is to prepare and present an electronic professional portfolio that demonstrates the students' accomplishments in the graduate program. This is a culminating course for the program. The role of portfolios, standards, and reflection in education will be examined, as well as the types and components of portfolios. Students will investigate technologies that enhance electronic portfolios.

LLT 390: Internship
This course is designed to provide experience in the practical application of library and information center routines and procedure under the supervision of a qualified professional. The student is required to spend 40 hours per credit in a library or information center under the direction of a qualified professional. This course can be taken for 1-9 credits and is repeatable up to a total of 9 credits.
Prerequisites: Take LIB 109 and LIB 211

LLT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

LLT 398: Clinical Experience and Practicum I
The clinical field experience provides the prospective school librarian the opportunity to observe and participate in the school library program under the guidance of a certified school librarian. This experience is designed in two phases (I and II within one semester). Candidates are scheduled in both elementary and secondary school libraries during these phases. Concurrent with each phase is a practicum which provides for an exchange of ideas, information, and assistance from their peers and the supervising teacher. Admission to this course is limited to those candidates who have completed the necessary program requirements. These requirements have provided the candidate with knowledge base domains in liberal education, teaching specialty knowledge, and professional education knowledge. (6 s.h., 3 c.h.)
Prerequisites: College of Education majors only

LLT 399: Clinical Experience and Practicum II
The clinical field experience provides the prospective school librarian the opportunity to observe and participate in the school library program under the guidance of a certified school librarian. This experience is designed in two phases (I and II within one semester). Candidates are scheduled in both elementary and secondary school libraries during these phases. Concurrent with each phase is a practicum which provides for an exchange of ideas, information, and assistance from their peers and the supervising teacher. Admission to this course is limited to those candidates who have completed the necessary program requirements. These requirements have provided the candidate with knowledge base domains in liberal education, teaching specialty knowledge, and professional education knowledge. (6 s.h., 3 c.h.)
Prerequisites: College of Education majors only

Management

MGM 210: Principles of Management
Management 210 is an introduction to the field of management, giving a basic understanding of the processes of working with people and resources to accomplish organizational goals. In today's business world, great executives not only adapt to change, but also apply the fundamental management principles of planning, organizing, leading, and controlling. This course explores the nature and application of these fundamental principles in the present environment of globalization, technological change, and increased competitiveness. The course is not to be taken until students have completed 45 credits.
Prerequisites: Freshman Level & CMP100 or ENG23 or ENG24

MGM 315: Management Science
This course presents various quantitative techniques and models which are being utilized in today's modern business organizations. Coverage areas include model formulation, Markov theory, PERT/cost networks, linear programming (simplex method), the transportation model, and inventory control. It will employ test and case situations to provide the student with decision making experience as well as exposure to concepts necessary for successful management in the present complex and dynamic business environment.
Prerequisites: BUS120 or BUS220 & BUS171 or BUS275

MGM 318: Women in Management
This course examines issues which women face in the workplace particularly in managerial careers. Issues include stereotyping, sexual harassment, mentoring, mobility, compensation, employee relations, child care, and dual careers. The course emphasizes issue awareness and development of potential strategies which would facilitate change and promote equality in the workplace. Cases and experiential exercises are an integral part of the course.
Prerequisites: MGM210 & BUS131 & Sophomore Level

MGM 327WI: Small Business Management
A study of the rewards and problems experienced in starting and operating a small business. Emphasis is placed on those aspects of management, marketing, accounting, and finance that are uniquely important to small firms.
Prerequisites: CMP 100 or ENG25 or ENG 23 & COM 10 &ACC122 or PRO120 or SPT195 & MAT17 or higher & MGM 210& MKT210 or SPT265 & SPT 285 & Sophomore Level

MGM 328: Entrepreneurship: From Concept to Launch
This course examines entrepreneurship by focusing on the unique challenges associated with a new venture. This course will emphasize entrepreneurship as a process that includes a well thought out business plan and planned growth. Attention is given to the characteristics of entrepreneurs, the identification and evaluation of new venture opportunities, business concept and entry strategies, the role of marketing, personal selling and finance in the new business, business plan development, implementation, and launching a new business. An emphasis of this course involves contact with successful, practicing entrepreneurs and touring best-practices businesses.
Prerequisites: CMP 100 or ENG25 or ENG 23 & COM 10 &ACC122 or PRO120 or SPT195 & MAT17 or higher & MGM 210& MKT210 or SPT265 & SPT 285 & Sophomore Level

MGM 335CM: Human Resource Management
Human resource management (HRM) involves the development and maintenance of an effective workforce in an organization. Students will consider the legal framework affecting various HRM functional areas such as human resource planning, human resource development, performance management, compensation, and employee relations.
Prerequisites: Sophomore Level & MGM210 or SPT265 & BUS131 or SPT290

MGM 337: Management of Labor Relations
Emphasis is placed upon the identification and analysis of the mechanics of the relationship between labor and management. The theory and environmental factors that affect the quality and content of union management relations will also be studied. Students study the history, legal and institutional framework, strike tactics, and contract administration process as they apply to management options.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and MGM 210

MGM 338: Management of Compensation and Benefits
This course examines the issues associated with the design and delivery of an organization's total compensation system of pay and benefits. Students will learn the legal framework affecting these compensation systems, the design of internally and externally consistent pay systems, the federal mandatory benefits such as Social Security, and employer sponsored discretionary benefits such as paid time off, retirement, and health insurance.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and MGM 210

MGM 340: Management of Staffing, Training and Development
This course will examine how to determine recruitment needs and objectives and the internal and external sources of applicants. The various aspects of the selection process will be studied along with the legal ramifications associated with that process. Training and development needs will be analyzed in light of an organization's goals, objectives, and strategies as well as federal legislation such as the Americans with Disabilities Act.
Prerequisites: Sophomore Level & ECO11 & ECO12 or ECO10 & MGM210

MGM 345: Organizational Theory and Design
An examination of intraorganizational patterns, processes and structures. The class focuses on how an organization's environment and technology interact with its structure and processes (such as decision making, power and politics, and organizational culture) to impact its performance. This course surveys concepts, theories and techniques that aid in analyzing this complex relationship.
Prerequisites: Junior level and ECO11 & ECO12 or ECO10 & MGM210 or SPT265

MGM 350: Organizational Behavior in Management
This course examines the interaction and interdependence between the formal organization and its members, emphasizing how human behavior and organizational processes can be integrated to achieve organizational effectiveness. The course draws on research in management and from psychology, sociology, and anthropology, to explore individual, interpersonal, group and organizational issues.
Prerequisites: MGM210 & 45 credits

MGM 351: Operations Management
This course is designed as an introduction to the operation problems of a business organization with emphasis on the decision making function of the manager. This course takes an analytical approach to important operational issues, including forecasting, capacity planning and allocation of resources (linear programming), quality control, inventory management, scheduling and project management.
Prerequisites: Must complete BUS 120 or BUS 220, BUS 171or BUS 275 & MGM210

MGM 352CD: International Management
This course presents an analysis of the unique managerial problems encountered by international, multinational and global business enterprises. Emphasis is placed on the economic, technological, socio-cultural and political aspects of multinational operations and their effects on the managerial objectives, processes and strategic decision-making.
Prerequisites: Sophomore Level & ECO11 & ECO12 or ECO10 & MGM210

MGM 360: Business and Social Environment
A study of the environmental factors that interface business decision-making in contemporary society. A conceptual framework is developed to analyze and integrate the social, governmental, and economic issues that impact on the business community. Cases form an integral part of the course.
Prerequisites: Sophomore Level & ECO11 & ECO12 or ECO10 & BUS131 or SPT290 & MGM210 & SPT265

MGM 361: Principles of Business Logistics
This course gives students knowledge of logistics principles and functions and enables them to apply this knowledge in enterprises and organizations of all types. It surveys all the fundamental elements of the supply chain and provides a framework for analysis and understanding of logistics systems. It addresses organization and functions of the elements of the supply chain, processes within the supply chain, and strategic issues, including globalization of supply chains.
Prerequisites: MGM210 & MKT210

MGM 362: Supply Chain Planning and Management
This course is an examination of the strategic importance and practical application of supply chain design, planning, and operation for every firm. It addresses the value of supply chain management as a source of competitive advantage for the firm. The course considers the value of information in the supply chain; risk pooling, and strategic partnering; and the role of centralized decision making. The course emphasizes current practice and trends in developing and managing information and material flows throughout the supply chain.
Prerequisites: MGM 210

MGM 363: TRANSPORTATION MANAGEMENT
This course is a study of the systems used to move goods and people and their role in business and the economy. It addresses the economic and operational characteristics of the domestic and international transportation modes, intermodal operations, transportation prices and rate theory, the management of for-hire and private transportation resources, the procurement of transportation services, and regulatory and public policy issues.
Prerequisites: MGM 210

MGM 371: Selected Topics in Management
This course will permit the exploration of specialized subjects that are not covered in the regular management classes. The course will emphasize a variety of current topics and contemporary issues in management which are taking place in a dynamic business environment. Students will review current literature, observe current management practices and improve their ability to analyze and express their thoughts in the area.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and MGM 210

MGM 380WI: Senior Seminar in Management
The course serves as a capstone experience for students majoring in Management. The course consists of two components. The first is the students' participation in a computer- based simulation game which integrates the major functional areas of business: accounting, finance, production, marketing and economics. The game allows the student to enter the dynamic world of business within a simulated environment and make decisions as if they were a manager. The second component of the course are seminar activities focusing upon advanced special topics of concern to the world of management as selected and determined by the particular instructor.
Prerequisites: Senior level and CMP100 or ENG25 or ENG23 & COM10 & ECO11 & ECO12 & ACC121 & ACC122 & MGM210 & MKT210 & BUS220 or BUS120 & BUS171 or BUS275 & BUS131

MGM 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and MGM 210

MGM 399CTWI: Business Strategy and Policy
This is the capstone course for all Business majors. Concepts and skills developed in the prerequisite courses are integrated and applied to the overall management of an organization. This course is also a study of the determination and implementation of strategies by top management. Emphasis is placed on the integration of corporate, international, business unit, and functional areas strategies of modern business organizations. Topics will include setting objectives, designing strategic plans, allocating resources, organizational structuring and controlling performance.
Prerequisites: Senior Level & FIN350 and MGM351 and MGM210 and MKT210 and BUS131

Marine Science

MAR 50: Window to the Oceans
This is a course in marine biology designed for the non-science major. Students will be introduced to the major groups of marine organisms, diverse coastal habitats, adaptations and distribution of organisms within marine habitats, and the potential for human impact on marine organisms and the environment. Current discoveries and "hot topics" within the field of marine biology will also be discussed. Laboratory work will include hands-on experience with sampling methods and equipment from both shore-based and boat-based platforms, general identification of marine plants and animals, and first-hand observation of different coastal habitats, their residents and unique adaptations. This course will be taught at the Marine Science Consortium in Wallops Island, VA. (3 s.h., 4 c.h.; this course is also offered with the MAR prefix.)

MAR 110: Introduction to Oceanography
An introductory course designed to introduce students from diverse backgrounds to the physical, chemical, biological and geological aspects of the oceans and to the methods and techniques of this rapidly expanding field. Emphasis is placed on lab and at-sea assignments which focus the students' attention on the interrelationship and unity of oceanography, and its relation to other environmental sciences.

MAR 210: Sophomore Seminar
This course provides students with fundamental skills necessary to be successful in the marine sciences. The course covers the identification and analysis of scientific literature, data analysis and presentation, research presentations, and scientific writing skills. It also provides early career guidance for students in the marine sciences with respect to pursuit of an advanced degree or the process of finding a job right after graduation. Offered every fall semester.
Prerequisites: MAR 110; 30 or more credits; or permission of the instructor.
Prerequisites: MAR 110; 30 or more credits; or permission of the instructor.

MAR 226CTWI: Marine Biology
A study of the major groups of marine organisms, their adaptations and distribution within the marine environment. Laboratory work will include methods of sampling, identification, experimental manipulations, and a weekend field trip.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

MAR 237: Field Methods in Oceanography
A course to familiarize students with the dynamic marine environment and field work on board small research vessels; to instruct in the use and application of standard oceanographic instruments and sampling devices; to promote and encourage independent research through the initial stages of a scientific project.
Prerequisites: GEL or MAR 110-111 or Consent of the Instructor

MAR 250: Wetland Ecology
The ecology and management of wetland wildlife, particularly of freshwater marshes and saltwater marshes. Special emphasis on ecosystem approach.

MAR 260: Marine Invertebrates
A study of the life history, habits, origin, development, physiology, anatomy and taxonomy of the main phyla of invertebrates. A phylogenetic sequence is followed to show interrelationships among the phyla. Special emphasis is given to the Atlantic marine invertebrates. Laboratory and field work deal with collection, preservation, and identification of local species.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

MAR 280: Field Biology
An introduction to basic principles of ecology and natural history of selected plants and animals in terrestrial, freshwater, and marine environments. Course is suitable for non-science majors.

MAR 298: Selected Topics in Marine Science
A selection of individual topical courses developed to present information in a specific area of study. Course titles vary depending upon needs and interests to the students and expertise of the faculty. May be repeated for a total of six credit hours.

MAR 320WI: Physiological Ecology of Animals
This course will provide an introduction to the physiology of animals utilizing a comparative and ecological approach. The course will cover the topics of respiration, circulation, metabolism, osmoregulation, thermoregulation, locomotion, and sensory systems in the context of comparing the mechanisms and strategies utilized by animals from different habitats and phylogenetic groups. Some emphasis will be placed on organisms occupying various marine habitats, but freshwater and terrestrial animals and habitats will also be included. Laboratory investigations will examine the physiological responses of both invertebrates and vertebrates to common environmental stresses such as salt load, temperature variation, oxygen supply, and pH change. These investigations may be accomplished through measurements and observations in the field, as well as through experimental manipulations in a laboratory setting.
Prerequisites: BIO 106 and CHM 214

MAR 326: Marine Ecology
A study of the ecology of marine organisms, the relationships of plants and animals to the physical, chemical and biological factors and their zonation and community structure. Analysis of current issues in marine ecology will also be addressed. Laboratories will include classroom investigations of population and community relationships and a MANDATORY weekend field trip to Wallops Island, VA.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

MAR 331: Chemical Oceanography
This is the study of sea water, oceanic particulate matter and sediments in the context of chemical cycles, especially cycles of carbon dioxide, nutrients, metals and radioisotopes. Correlations are made between chemical cycles having periods from years to thousands of years and biological and physical processes. Correlations are made between chemical cycles having longer periods and geochemical processes. Measurements of the concentrations of major ions, trace elements and nutrients in sea water are made by wet chemical and physical methods.
Prerequisites: CHM 100, CHM 102, MAR 110 or consent of the instructor.

MAR 338: Ecology of Marine Plankton
A study of the phytoplankton and zooplankton in marine and brackish environments. Qualitative and quantitative comparisons will be made between the planktonic population of various types of habitats in relation to primary and secondary productivity. This course will be offered summers at the Marine Science Consortium, Wallops Island, Virginia.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

MAR 340: Marine Mammals
The distribution, population size, physiology, evolution, adaptations and ecological relationships of marine mammals will be studied with an emphasis on mammals of the Atlantic Ocean. This course will stress hands-on understanding of marine mammal physiology, behavior, population dynamics and species diversity. Laboratory and field work will include an extended off-campus field trip to facilities holding and/or studying marine mammals of the NE Atlantic Ocean. In addition, the laboratory portion of this course will emphasize data collection in the field, and subsequent analysis and presentation of the data through a required mini-research project.
Prerequisites: Five courses in biology at the 100-level or above excluding BIO 130 and BIO 140; and at least junior class standing prior to the start of the course or permission of the instructor.

MAR 342: Ichthyology
A study of the fishes. Specimens collected along our Eastern Seaboard by the student will be used to illustrate the anatomy, physiology and systematics of this major vertebrate group. Field collections will also give the student the opportunity to observe the relationships of these animals to their biotic and physical environment.
Prerequisites: BIO 104 & BIO 106

MAR 344: Marine Botany
A study of marine and marine fringe plants of the Middle Atlantic Coast, their taxonomy, ecology, distribution, life histories, physiology, and economic status. Techniques of collecting, preserving, identifying and herbarium cataloging will be stressed. Exercises in plant ecology, deep core pollen analysis and marine microbiology will be included. (Same as MAR 342: Marine Botany at Consortium, Wallops Island, Virginia.)
Prerequisites: BIO 104 with a grade of "C" or better & BIO 108

MAR 346WI: Sedimentology and Stratigraphy
The basic composition, transport, diagenesis and distribution of sediments are introduced along with the principles governing the classification, correlation, interpretation, of stratified rocks are presented by means of lectures, laboratory exercises and field trips. Laboratory exercises demonstrate procedures used in analyzing and presenting stratigraphic data. Field trips are employed to introduce the student to stratigraphic principles and local stratigraphic problems.
Prerequisites: GEL 100 and GEL 102 or GEL/MAR366 or Permission of the Instructor

MAR 348: Biological Oceanography
The interdisciplinary study of the interactions between biological communities and the ocean environment as observed in the distribution of coastal plankton, fish and benthic invertebrates. Field studies of sample populations will be compared to quantitative environmental variables using state-of-the-art sampling equipment. Topics covered include: the effect of current transport on plankton at barrier island passes, the effect of submarine banks on fish populations, ground truth data for satellite imagery, and epibenthic population studies of nearshore and intertidal environments. This course will be offered summers at the Marine Science Consortium, Wallops Island, Virginia.
Prerequisites: Take BIO 104 with a "C" or better and either BIO 106 or BIO 108 or permission of the department chairperson.

MAR 350: Sedimentation
The basic composition, transport, diagenesis and distribution of sediments are introduced by means of lectures and laboratories.
Prerequisites: GEL 100 and GEL 102 or GEL/MAR366 or Permission of the Instructor

MAR 352: Coral Reef Ecology
A study of coral reef types and the relationship of reef organisms to their environment. Emphasis is given to species diversity/identification, symbiosis, and effects of abiotic factors, predation, and competition on the abundance and distribution of coral reef organisms. A segment of this course involves on-site study of the biology of tropical reefs/organisms and the accumulation of species populations data usually at Roatan, Bay Islands, Honduras, but other reef locations may be used.
Prerequisites: Four courses at the 100-level or above excluding BIO 130 and BIO 140

MAR 358CP: General Geophysics
The study of applied near-surface geophysical methods such as gravity, magnetics, seismic refraction, seismic reflection, electrical resistivity, electromagnetic induction, ground penetrating radar, and borehole logging. The laboratory exercises and field work using portable geophysical equipment will familiarize the students with the various methods used to collect and interpret geophysical data. (This course is also offered under the MAR 358 designation.)
Prerequisites: GEL 100 or GEL/MAR 110 and PHY 40/42 or PHY 100/102

MAR 360: Anatomy of Marine Chordates
A course designed to familiarize the students with the qualitative aspects of the speciation process; to lay the groundwork for understanding the basic and specialized structure of marine chordates; to trace the most obvious or important trends (and their functional significance) in the evolution of this basic structure in various vertebrate lines. The laboratories will be devoted in large part to a reasonably thorough dissection of representative marine vertebrates.
Prerequisites: BIO 104 with a grade of "C" or better & BIO 106

MAR 364: Physical Oceanography
This course is a study of the physical properties of the oceans which include: mass and energy budgets; the cause, nature, measurement, analysis and prediction of tides, currents and waves, and basic instrumentation used in field work.
Prerequisites: MAR 110 and completion of or co-enrollment in Physics (PHY 042 or PHY 102); or consent of the instructor.

MAR 366: Marine Geology
A study of the structural and sedimentary environments of the continental shelf, slopes, and ocean basins. The crustal structure of the earth and its relation to the sedimentary record and geologic history of the ocean is examined. Sampling and laboratory procedures used by the marine geologist are introduced.
Prerequisites: GEL 100 or MAR 110 or permission of the instructor

MAR 370: Independent Research in Marine Science
This course is designed to allow a student to study individually in a specialized area under the direction of a faculty member. The research topic must be appropriate to the student's background and approved by the faculty member directing the student.

MAR 380: Senior Seminar in Marine Science
Readings and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Marine Science. Required of all liberal arts students majoring in Marine Science.

MAR 390: Internship in Marine Science
Supervised, practical work experience in laboratory and/or field situations. Students interested in developing an individualized vocationally oriented program which may assist in future career options may structure a work-study experience with the cooperating agency or organization. A proposal outlining the work-study experience should be submitted to the student's supervising faculty member and the department chairperson. Clock hours will be determined by the cooperating agency or organization. Semester hour credit will be based upon the proposal and scheduled clock hours, but a maximum of 4 credits may be applied toward Arts and Sciences electives. Additional credit cannot be applied to the 128 credit hour graduation requirements.

Marketing

MKT 210: Principles of Marketing
Principles of Marketing is a broad study of the field of marketing as seen from a managerial perspective. Emphasis is on demand analysis, customer need satisfaction, product planning and development, distribution selection, promotional decision making, price determination and social responsibility. This course is not to be taken until students have completed 42 credits. BSBA majors only.
Prerequisites: Freshman Level & CMP100 or ENG23 or ENG24

MKT 312WI: Consumer Behavior
This course is a study of the processes of planning, purchasing and the consumption of goods and services by consumers. The course examines the links between behavioral concepts, marketing strategy and consumer decision making. The influences culture, subculture, group dynamics and intra-personal on decision-making will be emphasized. The focus of the course is the application of consumer behavior to the elements of strategic marketing - including market segmentation, product positioning, product development, marketing communications, distribution and pricing. Social and ethical considerations of marketing responsibility to consumers will also be addressed.
Prerequisites: MKT 210

MKT 315: Marketing Ethics in Society
This course will explore the fundamental concepts and practical applications of marketing ethics. The global ethical environment of market exchanges has remained a constant issue in terms of both strategic and short-range marketing activities. In addition, ethical standards and institutional relations will be assessed from the perspective of various social science elements including: culture, religion, society, ethnic distinction, socio-economic factors, and language.
Prerequisites: MKT 210

MKT 320: Marketing Management
This course emphasizes managerial decision-making and problem-solving in the areas of channels distribution, integrated marketing communication, product, and pricing. Focus is on the concepts and techniques organizations and businesses employ to anticipate and satisfy customer needs and wants.
Prerequisites: MKT312 and MKT360

MKT 330CM: Personal Selling and Sales Management
The course provides an introduction to the role and nature of selling and examines the elements of effective sales management in a contemporary business environment. Topics include theories, functions, and the techniques associated with real world selling.
Elements of personal selling and sales management include: (1) understanding the sales process (prospecting, preparing sales dialogue and presentations, communicating value, addressing concerns and handling complain, and closing the sale), (2) issues in recruiting, selecting, training, motivating, compensating, and retaining salespeople, (3) building trust, earning commitment, and expanding customer relationship and (4) understanding ethical behavior in relationship selling and sales management.
Prerequisites: MKT 210

MKT 340: Retail Management
This course is a study of the administration and control of retail merchandise operations, or their equivalents, in the offerings of services. It covers the fundamental principles of store management, location, selection and training of personnel, budgeting, buying and processing merchandise, pricing, and sales promotion. In addition, some attention is given to the increasing role and numbers of service and not for profit retailers.
Prerequisites: MKT 210

MKT 347: New Product Management
This course is intended to provide the student with an opportunity to develop an understanding of marketing decision making for new and mature products. Students will review current literature and improve their ability to analyze and express their thoughts in the area. The course emphasizes the role of strategic market planning, organizing and planning new products, the new product development process and marketing program, new service development, controlling and managing the product or service line, and the future of new product management. Textbooks, readings and group projects will be utilized in order to develop a total concept of new product management.
Prerequisites: Open to majors in the College of Business (excluding Sport Mgm) with a 2.0 GPA in the Business Core courses and MKT 210

MKT 350: Advertising Management
This course is designed to provide a comprehensive introduction to the integrated marketing communication (IMC) field with an emphasis on advertising. Fundamental principles and concepts of persuasive marketing communication are mainly examined as (1) an element in our social system; (2) a business system; (3) an art and communication form; and (4) a science. Areas of concentration include IMC in customer relationship marketing, consumer behavior, IMC research and planning, the campaign development process, advertising agencies, creative strategies, basic media choices, target audience analysis, and the legal and ethical aspects of advertising.
Prerequisites: MKT 210

MKT 351: Media Concepts and Planning
This course is designed to help students understand the fundamentals of media planning and the role of media in the process of developing effective integrated marketing communication (IMC) campaigns. Following the advent of new types of media, this course aims to immerse students in the issues that occur in the media industry today. It also fosters students' understanding and application of various types of media including digital media such as social media, websites, and mobile to suggest effective and efficient IMC strategies for corporations. In addition, media formulas and media research will be addressed.
Prerequisites: MKT 210

MKT 357: Integrated Marketing Communication Campaigns
This course aims to provide theoretical and pragmatic approaches to help students gain knowledge to develop an effective, successful integrated marketing communications (TMC) campaign. Combining the steps of developing an IMC campaign and studying the process step-by-step, students will develop an actual IMC campaign for a company. As an upper-division IMC course, this course is less about students learning new materials and more about them experiencing the culmination of all they have learned. Specifically, the whole development process or a campaign beginning with reviewing a company's mission and values and ending with a pitch will be covered. As a subset of IMC, sales promotions, public relations, sponsorships, brand event planning, personal selling, and direct-response marketing are incorporated into the class.
Prerequisites: MKT350 and MKT351

MKT 358: Marketing Communication Management
This course considers the managerial impact of Marketing Communications (MARCOM); public relations/publicity; sales promotion, advertising, cyber-marketing and direct marketing; personal selling; and the impact of the promotional mix on marketing communication.
Prerequisites: MKT 350 & MKT357

MKT 360: Marketing Research
Marketing Research is the systematic and objective search for and analysis of information relevant to the identification and solution of problems in the field of marketing. The course deals with how information is supplied that is required on a continuing basis for developing and adjusting marketing strategies and tactics; for identifying problem areas; and for providing feedback for management control. This course utilizes both project-type and marketing information as they are needed for decision making.
Prerequisites: MKT210 and BUS220

MKT 361: Principles of Business Logistics
This course gives students knowledge of logistics principles and functions and enables them to apply this knowledge in enterprises and organizations of all types. It surveys all the fundamental elements of the supply chain and provides a framework for analysis and understanding of logistics systems. It addresses organization and functions of the elements of the supply chain, processes within the supply chain, and strategic issues, including globalization of supply chains.
Prerequisites: MGM210 & MKT210

MKT 362: E-Commerce Marketing
The course will explore the fundamentals, concepts, and practical applications of business marketing on the Internet. The student will learn the process of marketing planning for Internet-based business, including an understanding of (1) the forces that shape e-commerce; (2) the various ways that revenue streams can be developed via e-commerce; and (3) how to develop and implement an e-commerce business plan.
Prerequisites: MKT 210

MKT 370CD: International Marketing
International Marketing is a study of the process of focusing the resources and objectives of an organization on global market opportunities. The course shall take a broad conceptual approach to the marketing management problems, techniques and strategies necessary to incorporate the marketing concept into the framework of the world marketplace. Emphasis is placed on the necessity of program as well as the problems of competing in markets of different cultures. World-wide consumerism as well as the inherent social and ethical issues which arise when a multinational corporation ventures into foreign cultures will be addressed.
Prerequisites: MKT 210

MKT 371: Selected Topics in Marketing
This course will permit the exploration of specialized subjects that are not covered in the regular marketing classes. The course will emphasize a variety of current topics and contemporary issues in marketing which are taking place in a dynamic business environment. Students will review current literature, observe current marketing practices and improve their ability to analyze and express their thoughts in the area.
Prerequisites: College of Business BSBA majors with a 2.0 GPA in the Business Core courses and MKT 210

MKT 379: Independent Study in Marketing
The Independent Study allows for individualization of the marketing curriculum to meet the specialized needs/interests of students through studies outside of the focus of existing courses. Under the direction of a faculty member from the Marketing Department, the student will investigate an area of academic interest, to be approved by the department. (1-3 s.h.)
Prerequisites: Open to Marketing majors with MKT 210 and 6 additional credits at the 300 level. Only 3 credits can be earned via Independent Study to meet degree requirements.

MKT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.
Prerequisites: Open to Marketing majors with a 2.0 GPA in the Core coursework and the completion of MKT 210

Mathematics

MAT 3: Intermediate Algebra
The topics include a review of the real number system, linear equations and applications, linear inequalities and absolute value, graphs and functions, exponents, polynomial functions, factoring, rational functions, root functions, exponential and logarithmic functions. Students who have previously received credit for a higher-numbered mathematics course may not receive credit for this course without permission of the instructor. This course does not fulfill the mathematics requirement in general education but may be used as a free elective.

MAT 17: Introduction to Mathematics
The goal of this General Education introductory-level course is to acquaint the student with the nature and spirit of mathematics – terminology, fundamental principles, generalizations, and their application to problem solving –through study of a broad spectrum of topics. The underlying thrust of the course will be to bolster the students' analytical and critical thinking skills, and to develop the ability to effectively communicate the rationale behind this thinking. Areas of coverage will include Problem Solving Strategies and Techniques, Set Theory, and at least three additional appropriate areas of Mathematical Inquiry. Applications of the mathematical concepts and techniques taught in this course will also be illustrated. This course cannot be used by mathematics majors to fulfill mathematics major program requirements.
Prerequisites: Students MUST take the ALEKS placement exam to enroll for this class, OR be enrolled by the Math Department directly with that department's permission.

MAT 40: Geometry
An informal, intuitive study of topics in geometry. Non-metric geometry of the plane and space; measurement; error in measuring; simple closed curves; area; congruence; similarity; graphing in the plane and space; modern geometries; groups of geometric transformations. Open to all majors.
Prerequisites: Students MUST take the ALEKS placement exam to enroll for this class, OR be enrolled by the Math Department directly with that department's permission.

MAT 45: Women In Mathematics
This course examines women and minorities who have made significant contributions to the field of mathematics. Both their lives and their work will be explored as well as gender and multicultural issues surrounding their endeavors. Furthermore, mathematical topics related to their contributions will be discussed.

MAT 89: The Art of Mathematics
This General Education introductory-level course will examine mathematics as art. The work of both historical and contemporary mathematicians will be studied with a focus on their content and form as well as those who influenced their mathematical work. Mathematical topics related to their contributions will be discussed with an emphasis on developing an appreciation of the beauty of mathematics. This course cannot be used by mathematics majors to fulfill mathematics major program requirements.

MAT 103: Fundamentals of Mathematics I
This is the first course in a two-course sequence that is required for all Elementary Education and Special Education majors. It is restricted to only Education majors or permission of the department. Topics include problem solving; logic; set theory; mathematical systems; systems of numeration; number theory; equations and inequalities; and properties of whole numbers, integers, rational numbers, and real numbers. A calculator is required for this course. This course cannot be used by mathematics majors to fulfill mathematics major program requirements.
Prerequisites: This class is intended for Education majors ONLY. Students MUST take the ALEKS placement exam to enroll for this class, OR be enrolled by the Math Department directly with that department's permission.

MAT 104QL: Fundamentals of Mathematics II
This is the second course in a two-course sequence that is required for all Elementary Education and Special Education majors. It is restricted to only Education majors or permission of the department. Topics include informal geometry; measurement; probability; statistics; and computer applications. A calculator is required. This course cannot be used by mathematics majors to fulfill mathematics major program requirements.
Prerequisites: MAT 103 with a grade of "C" or better

MAT 105: College Algebra
Topics include properties of the real numbers, problem-solving using equations and inequalities, algebraic functions, graphing, and systems of equations. A graphing calculator is required for this course. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. This course is designed for students who have two years of high school algebra.
Prerequisites: Score 46 or higher in ALEKS exam

MAT 106: Trigonometry
This course is intended for students with an elementary knowledge of algebra who need more work in trigonometric topics before taking more advanced mathematics courses. Topics include properties of and operations with functions, inverse functions, exponential and logarithmic functions, angle measurement, trigonometric functions and their inverses, graphing functions, and problem solving with equations that use the functions covered in the course. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. This course is designed for students who have completed MAT 105-College Algebra or have a minimum Math SAT score of 500. A graphing calculator is required for this course.
Prerequisites: MAT 105 or a score of 61 or higher on the ALEKS exam.

MAT 115: Precalculus Mathematics
This course is designed to give students a thorough review of the mathematics background needed for calculus courses. The course covers all the topics listed in the descriptions of MAT 105 and MAT 106. A graphing calculator is required for this course.
Prerequisites: A score of 61 or greater on the ALEKS exam.

MAT 121: Mathematics for Business and Information Science
This course focuses on the application of mathematical concepts and methods to problems that arise for students who major in Business or Computer Science. The topics include systems of linear equations, matrix algebra, linear programming with graphical and simplex method solutions, mathematics of finance, set theory and probability. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. This course is designed for students who have completed MAT 105-College Algebra or have completed a minimum of two years of high school algebra. A graphing calculator is required for this course.
Prerequisites: MAT 105 or MAT 106 or MAT 115 or MAT 181 or a score of 61 or higher on the ALEKS exam

MAT 122: Applied Calculus
This course focuses on the application of concepts and methods of calculus to problems that arise for students who major in Business or Computer Science. The topics include functions and models; differential and integral calculus; applying derivatives, differentials, and integrals to problem-solving; and applied optimization. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. A graphing calculator is required for this course.
Prerequisites: MAT 105 or MAT 106 or MAT 115 or MAT 121 or MAT 181 or a score of 61 or higher on the ALEKS exam

MAT 123: Discrete Mathematics
This general Education course is an introduction to discrete mathematics, a branch of mathematics that solves problems such as finding the probability of being dealt a straight flush in 5-card poker, protecting financial information from hackers, and enabling error-free communication with astronauts in space. Course material is drawn from areas of mathematics such as number theory, combinatorics, probability, and abstract algebra. This course serves students who are interested in introductory mathematics that is not in the same vein as precalculus and calculus.

MAT 140QL: Applied Statistical Methods
This course is an introduction to quantitative methods as applied to statistical reporting and data analysis. It will incorporate some or all of the following: Techniques for obtaining, analyzing and presenting data in numerical form; measures of central tendency and dispersion; the normal distribution curve; standard scores; applicability of probability and sampling theory to statistical research; interpretation of confidence intervals; hypothesis testing; correlation; linear regression. Students cannot receive credit for both MAT 140 and MAT 150. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. This course is designed for students who have completed MAT 105-College Algebra or have completed a minimum of two years of high school algebra. A graphing calculator is required for this course.
Prerequisites: MAT105 with a grade of "C" or MAT 106 or MAT 115 or MAT 181 or 61 on the ALEKS exam

MAT 150: Introduction to Biostatistics
This course in an introduction to the study of Biostatistics intended for students of the life science disciplines. It is an overview of the statistical methods for obtaining, analyzing and presenting data in numerical form that are most often used in the area of life sciences. A problem-based approach using real data in various life science fields will be used to illustrate various statistical procedures as well as basics of elementary applied statistics. Students cannot receive credit for both MAT 140 and MAT 150. This course cannot be used by mathematics majors to fulfill mathematics major program requirements. This course is designed for students who have completed MAT 105-College Algebra or have completed a minimum of two years of high school algebra. A graphing calculator is required for this course.
Prerequisites: MAT105

MAT 175: Mathematical Investigations
This course is applicable in the Honors Program and is open to any student in the honors program as well as to any student having completed at least 15 s.h. of study at Kutztown University with a grade point average of 3.00 or greater. This course, divided into three to five segments, provides for study of concepts, procedures and applications in several mathematical disciplines. Topics studied will be drawn from the following areas: mathematical thought processes, history of mathematics, mathematics of finance, statistics, operations research, number theory, graphs as mathematical models, and finite geometries. This course cannot be taken for credit by mathematics majors in Secondary Education or the College of Liberal Arts and Sciences. Credit for the course can be applied in Categories IV or V in General Education.

MAT 181: Calculus I
This course is one of a series intended for students who major in mathematics, the sciences, or engineering. The topics include the definition and calculation of limits, continuity and differentiability, differentials, derivatives of algebraic and transcendental functions, the application of derivatives to graphing, antiderivatives, and the introduction of the definite integral, applications of definite integrals; and some techniques of integration. A graphing calculator and use of a Computer Algebra System are required for this course. At least two years of high school algebra and/or trigonometry is strongly recommended.
Prerequisites: MAT 106 or MAT 115 or a score of 76 or higher on the ALEKS exam

MAT 182: Calculus II
This course is one of a series intended for students who major in mathematics, the sciences, or engineering. The topics include the definition, properties, and applications of definite integrals, properties, derivatives, and integrals of exponential, logarithmic, trigonometric, inverse trigonometric, and hyperbolic functions with applications; techniques of integration; indeterminate forms and improper integrals; sequences, series, and convergence tests; differentiation and integration of power series; and polar integrals. A graphing calculator and use of a Computer Algebra System are required for this course.
Prerequisites: MAT 181 with a "C" or better.

MAT 190: Introductory Directed Reading in Mathematics
This course involves individual independent study in mathematics under the direction of a mathematics faculty member. This study can be carried out in any area of mathematics or its application that is not a topic covered in depth in any regular mathematics course offering at the University. The student works with a faculty tutor who advises the student in choice of material. The student meets with the advisor frequently to discuss the topic studied. This course may be repeated for a total of up to 2 credits cumulative and for a total of up to 6 credits cumulative combined with credits from MAT 290, 390, and Math 490.
Prerequisites: Permission of the instructor and permission of the department.

MAT 210CMCP: Mathematical Computing and Typesetting
This course is an introduction to mathematical computing and typesetting. Topics will include the syntax and programming interface of a computer algebra system that is commonly used in mathematics, methods to solve mathematical problems, and document preparation in the typesetting language LaTeX. The computer algebra system will be used to solve problems drawn from algebra, calculus, differential equations, probability, statistics, discrete mathematics, and modeling. Problems may involve root-finding, solving equations, splines, graphics, power series, numerical integration, numerical approximations of solutions of differential equations, mathematical modeling, data analysis and curve fitting, cryptography, graph theory, number theoretic computations, and possibly others depending on the interests of the students and instructor.
Results from the projects will be typeset in LaTeX.
Prerequisites: MAT 182 with a grade of "C" or higher AND CSC 123 with a grade of "C" or higher OR CSC 135 with a grade of "C" or higher

MAT 220: History of Mathematics
This course explores the development of mathematics over a period of four millennia-from the time of ancient civilizations to the present. It studies how diverse cultures from almost all parts of the world—Babylonia and Egypt, Greece, China, India, The Middle East, Europe and later the Americas, have contributed to the growth of the discipline of mathematics. This course addresses mathematical methods that were used and contributions that were made by specific mathematicians and cultures. The diverse perspectives at different periods of history that contributed to, and at times hindered, the growth of mathematics are studied.
Prerequisites: MAT 181 with a "C" or better.

MAT 224WI: Foundations of Higher Mathematics
This course is designed to prepare the student for the study of advanced mathematics. Topics include fundamentals of logic, proof strategies, the algebra of sets; relations, including equivalence relations; functions and their properties; countable sets and counting techniques; ordered and well-ordered sets. This course should be taken only after the student has taken at least two college-level mathematics courses.
Prerequisites: MAT 171 or MAT 181 with a grade of "C" or better.

MAT 240: Synthetic Geometry
This course is designed for students who have, in addition to an interest in geometry, some previous experience in this subject area, either on the high school or college level. Topics include Euclidean geometry using Hilbert's axioms; neutral geometry; the historical development of non-Euclidean geometries; and hyperbolic geometry.
Prerequisites: MAT 224 with a "C" or better.

MAT 260: Linear Algebra I
This course gives the student an opportunity to make an in-depth investigation of a specialized area of mathematics which has wide-spread practical applications in the arts and sciences but still allows work with abstract concepts. Topics include a study of the properties of vector spaces; matrix theory with applications using systems of equations and determinants; linear transformations and invariants under such mappings. Students will be required to use appropriate computer software.
Prerequisites: MAT 224 or CSC225; with a grade of "C" or better

MAT 270: Biostatistics
This course focuses on enhancing students' abilities in problem solving in statistics with a concentration on applications to biology. The course is a calculus-based course in biostatistics emphasizing methods for collecting, graphing, examining, and interpreting data. The course provides both the theoretical framework and the analytical tools for performing data analysis. Special emphasis will be placed upon using available statistical methods for both exploratory and confirmatory data analysis. Topics include discrete and continuous random variables, mean and variance, hypothesis testing and confidence limits, nonparametric methods, Student's t-test, analysis of variance, correlation, and ordinary least squares. It may include a subset of further topics which may include, but not be limited to, contingency table analysis, random effects models, mixed models, regression, sensitivity and specificity.
Prerequisites: MAT 182 with a grade of "C" or better.

MAT 280: Cooperative Internship in Mathematics
The internship consists of 6 to 12 weeks of full-time employment that provides students with a supervised industrial experience in mathematics. The internship is supervised by a member of the Mathematics and Computer Science Department. This internship is available only to Mathematics majors, and is taken on a pass/fail basis. (3 - 6 s.h.)

MAT 283: Calculus III
This course is one of a series intended for students who major in mathematics, the sciences, or engineering. The topics include vectors in two and three dimensions; operations on vectors; limits, derivatives and integrals of vector functions; three-dimensional surfaces; the definition, properties, and partial differentiation of functions in more than on variable with applications; finding the extrema of functions in two variables; Lagrange multipliers; multipliers; multiple integrals in various coordinate systems; Jacobians; line integrals in vector fields; and the application of Green’s Theorem, The Divergence Theorem, and Stokes’ Theorem. A graphing calculator and use of a Computer Algebra System are required for this course.
Prerequisites: MAT 182 with a grade of "C" or better.

MAT 290: Intermediate Directed Reading in Mathematics
This course involves individual independent study in mathematics under the direction of a mathematics faculty member. This study can be carried out in any area of mathematics or its application that is not a topic covered in depth in any regular mathematics course offering at the University. The student works with a faculty tutor who advises the student in choice of material. This course may be repeated for a total of up to 2 credits cumulative and for a total of up to 6 credits cumulative combined with credits from MAT 190, 390, and 490.
Prerequisites: MAT 224, permission of the instructor and permission of the department

MAT 300: Problem Solving in Mathematics
This course focuses on enhancing students' abilities in problem solving in mathematics and presenting their ideas effectively through writing down logical proofs in a precise and concise manner. This course will discuss problems coming from a broad range of topics, including but not limited to, precalculus, calculus, analysis, and linear algebra. This course is designed for students with a strong desire to solve challenging mathematical problems.
Prerequisites: MAT 260 with a grade of "C" or better.

MAT 301: Probability and Statistics I
Elementary probability spaces; conditional probability; general probability spaces; random variables; expectation; variance; multivariant distributions; the algebra of expectation.
Prerequisites: MAT 224 or CSC 225 with a "C" or better ; and MAT283 with a "C" or better

MAT 302: Probability and Statistics II
Probability distributions; sampling; estimation of parameters; Central Limit Theorem; confidence intervals; correlation and regression; sampling from a normal population; testing hypotheses; Markov chains. Students will be required to use appropriate computer software.
Prerequisites: MAT 301

MAT 305: Mathematics Of Finance
This course is an introduction to mathematics of finance. The main topics include measurement of interest, time value of money, annuities, amortization and sinking funds, bonds, capitalized cost, net present value, yield rates, yield curves, duration, immunization. A financial calculator (BA II Plus or BA II Plus Professional preferred) is required for this course.
Prerequisites: MAT 182

MAT 306: Mathematics of Finance II
This is an introduction to financial mathematics and is a continuation course of Financial Mathematics I. The main topics include bonds, capitalized cost, net present value, yield rates, yield curves, duration, immunization, derivative products including calls, puts, forwards, and swaps. A financial calculator is required for this course.
Prerequisites: MAT 283 with C and MAT 305

MAT 311: Abstract Algebra I
Sets, relations, and functions; groups; rings; integral domains; fields; elementary theory of groups.
Prerequisites: a MAT 224 with a "C" or better.

MAT 312: Abstract Algebra II
Extension of Abstract Algebra I topics; permutation groups; normal sub-groups and quotient groups; rings and ideals; ring homomorphisms; quotient rings, integral domains and their fields of quotients; fields; polynomial rings.
Prerequisites: MAT 311

MAT 321: Combinatorics
This is an introductory course in combinatorics. Topics include introductory and advanced counting techniques, graph theory, and selected topics chosen from recurrence relations, generating functions and integer partitions, and extremal combinatorics.
Prerequisites: a MAT 224 with a "C" or better.

MAT 330: Theory Of Numbers
This is an introductory course in number theory. The topics covered begin with divisibility and factorization, the Fundamental Theorem of Arithmetic, prime numbers, greatest common divisor, and least common multiples. The course continues with congruences and arithmetic functions. The remainder of the course introduces one or more advanced topics such as quadratic residues, primitive roots, Diophantine equations, continued fractions, and crytography.
Prerequisites: a MAT 224 with a "C" or better.

MAT 332: Numerical Analysis
Numerical methods fundamental to scientific computing are developed. Topics include finite difference calculus; zeros of a function; matrix computations; solutions to systems of linear equations; approximation by polynomials; numerical differentiation and integration; numerical solutions of ordinary differential equations; rounding errors and other types of errors. Selected algorithms will be run on the computer. Students will be required to use appropriate computer software.
Prerequisites: CSC123 or CSC135 & Prereq or Coreq of MAT340

MAT 337: Introduction to Cryptography
The course is an introduction to cryptography, the study of securing communication and information. This course will cover the mathematical, algorithmic, and historical aspects of classical and modern cryptography. We will also introduce students to personal encryption software as well as programming libraries and computer algebra systems that allow one to perform large computations necessary for cryptographic applications. Topics will include classical and modern symmetric ciphers, public-key cryptography (e.g. RSA), various cryptographic protocols, and any other topics of interest to the instructor and students. All necessary theoretical background will be reviewed, but some background in number theory, abstract algebra, probability, or computer science will be expected.
Prerequisites: MAT 224 or CSC 225 with a grade of "C" or better and at least one MAT or CSC course at the 300 level or higher with a grade of "C" or better.

MAT 340: Differential Equations
In this course students will develop an understanding of the basic theory, applications and connections of linear algebra and differential equations. Topics include: first, second, and higher order ordinary differential equations; methods of solutions include exact, substitution reduction, undetermined coefficients, variation of parameters, power series solutions, the Laplace Transform, and system of linear differential equations. Consideration is given to applications to the physical and natural sciences. Students will be required to use appropriate computer software.
Prerequisites: MAT 260 or PHY 245; and MAT 283; both with a grade of "C" or higher

MAT 351: Real Analysis I
Introduction to the structure of the real number system and its topology; metric space and its topology; basic theorems of real analysis; differentiable functions.
Prerequisites: Completion of MAT 224 and MAT 283 (or MAT 273) with a grade of C or higher.

MAT 352: Real Analysis II
Introduction to the theory of Reimann-Stieltjes integration; functions of bounded variation; Lebesgue measure and Lebesgue integrals; uniform convergence of sequences and series of functions.
Prerequisites: MAT 351

MAT 361: Mathematical Methods in Operations Research I
Operations Research uses quantitative methods to determine the best decision for an operating system. A mathematical approach to studying methods as applied to the decision process in industry is taken. The methods studied are selected from among: linear programming; game theory; graph theory and network analysis. Students will be required to use appropriate computer software.
Prerequisites: MAT 121 or MAT 260 or by permission of the instructor.

MAT 362: Mathematical Methods in Operations Research II
Operations Research uses quantitative methods to determine the best decision for an operating system. A mathematical approach to studying methods as applied to the decision process in industry is taken. The methods studied are selected from among: linear programming; game theory; integer programming; graph theory and network analysis; nonlinear programming; and metaheuristics. Students will be required to use appropriate computer software.
Prerequisites: MAT 361 or by permission of the instructor.

MAT 369: Introduction to Graph Theory
This course is an introduction to the theory of graphs. The main topics include definitions and examples of graphs and subgraphs, trees, connectivity, Euler tours and Hamilton cycles, matchings, edge and vertex colorings, planar graphs, directed graphs, networks, and its applications.
Prerequisites: MAT 260 with a grade of "C" or better.

MAT 370: Selected Topics in Mathematics
This is a seminar in advanced topics of mathematics. Content will vary dependent upon interest of instructor and students, and the course may be repeated once for additional credit.

MAT 372: Independent Study and/or Projects in Mathematics
This course involves individual or small group independent study in mathematics under the direction of a mathematics staff member. This study can be carried out in any area of mathematics or its application. A student may register for this course more than once up to a maximum of six semester hours of credit.

MAT 380WI: Senior Seminar in Mathematics
Readings and discussions in areas of student interest and background. The student reviews and structures the mathematics he/she has learned and also explores mathematical topics not covered in the usual course offerings. The comprehensive examination for Arts and Sciences Mathematics majors is given in conjunction with this course. Required of all arts and sciences mathematics majors.

MAT 390: Directed Reading and Research in Mathematics
This course involves individual independent study in mathematics under the direction of a mathematics faculty member. This study can be carried out in any area of mathematics or its application that is not a topic covered in depth in any regular mathematics course offering at the University. The student works with a faculty tutor who advises the student in choice of material. This course may be repeated for a total of up to 4 credits cumulative and for a total of up to 6 credits cumulative combined with credits from MAT 190, 290, and 490.
Prerequisites: MAT 224, MAT 283, permission of the instructor and permission of the department.

MAT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

MAT 398: Honors Supplementary Research

MAT 400: Complex Variables
This is an introductory course in Complex Analysis. Topics include properties of complex numbers, analytic functions, mappings, contour integrals, Cauchy's residue theorem, and the geometric properties of complex functions.
Prerequisites: MAT 283 with a grade of "C" or better

MAT 403: Analysis of Data Sets
This course continues the development of the concepts and procedures of MAT 230 or both MAT 301 and MAT 302 with an emphasis on practical applications to science, business, and industry. A review of basic statistical concepts, regression analysis, categorical data analysis, analysis of variance, and nonparametric statistics will be presented. Up-to-date examples using computer statistical packages will be used. The student is expected to apply the above techniques to real-world problems. Students will be required to use appropriate computer software.
Prerequisites: MAT 302 or with permission of the instructor.

MAT 431: Topology I
Set theory; functions; metric spaces; basic topological concepts; topologies and neighborhood systems; open and closed sets; accumulation points and closures; bases and subbases for a topology; separation and connectedness; nets; continuity and homeo-morphisms; compactness; product and quotient spaces.
Prerequisites: MAT 172 and MAT 311

MAT 451: Introduction To Fractals
Through hands-on activities, computer experiments, visual readings, discussions, and lectures, this course will examine the concepts of iteration, fractals, and chaos, as well as the history and people involved in this fascinating field. The course will begin by looking at the basic concept of iteration: repeatedly applying some specified operation. Iteration leads naturally to, among other things, the geometric representation of a fractal, self-similarity, fractal dimension, and the notion of mathematical chaos. Students will learn concepts from classical mathematics and ways in which these concepts can be applied to model and explain real-world scenarios. Additionally they will be shown that mathematics is a current, active, useful, and dynamic field of study.
Prerequisites: MAT 171, MAT 172, and MAT 224; or graduate status and permission of the instructor.

MAT 460: Linear Algebra II
This course is a study of advanced topics in Linear Algebra. Topics include: review of the properties of vector spaces; study of inner product spaces; factorization of a matrix in QR, diagonalized, and singular value decomposition forms; eigenvalues and eigenvectors of matrices with applications to solving differential equations; positive definite matrices and their applications; and numerical linear algebra.
Prerequisites: MAT 260, MAT 283, MAT340, & CSC 135or higher; all courses must be completed with a grade of "C" or better; or graduate student status.

MAT 470: Selected Topics In Mathematics
This course is designed to provide mathematics students an in-depth study of a topic in mathematics that is not normally covered in the curriculum. May be repeated with different topics.
Prerequisites: MAT 224, graduate status, or permission of the instructor. There may be additional prerequisites depending upon the topic.

MAT 473: Partial Differential Equations
Equations of first order, Hamilton-Jacobi theory; the Cauchy Problem; the Dirichlet and Newman problems, Existence Theorems; Green's Functions; Equations of mathematical physics; integral equations.
Prerequisites: MAT260 & MAT340 with grade of "C" or better

MAT 490: Advanced Directed Reading and Research in Mathematics
This course involves individual independent study in mathematics under the direction of a mathematics faculty member. This study can be carried out in any area of mathematics or its application that is not a topic covered in depth in any regular mathematics course offering at the University. The student works with a faculty tutor who advises the student in choice of material. This course may be repeated for a total of up to six semester hours and for a total of up to 6 credits cumulative combined with credits from MAT 190, 290, and 390.
Prerequisites: MAT 224 and any two of the following: MAT 260, 301, 305, 311, 330, 332, 340, 351, 361, 370; and permission of the instructor and permission of the department.

Mathematics Education

MAU 415: Learning and Teaching Mathematics
The nature of mathematics and mathematical thought processes; current views on the learning and teaching of mathematics; problem-solving; discovery learning; meaningful instructional objectives; individualizing instruction in mathematics; aids to instruction; instructional strategies in mathematics education. Open to Senior Secondary Education Mathematics majors, Senior Elementary Education majors with a Mathematics Concentration and to graduate students in mathematics education.

MAU 425: Middle School Mathematics
This course is designed to prepare both elementary and secondary teachers to teach mathematics in the middle school. Various instructional strategies will be examined and discussed. A significant portion of the course will be devoted to the content and methods of middle school mathematics. The course will include the presentation of some activities that middle school students can use to discover mathematical concepts. Open to Senior Secondary Education Mathematics majors; Senior Elementary Education majors with a Mathematics Concentration and to graduate students in mathematics education.

Medical Technology

MED 320: Clinical Microbiology
Identification and clinical pathology of bacteria, fungi, viruses and parasites. Techniques to isolate, stain, culture and determine antimicrobial susceptibility. Instrumentation; quality control.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 330: Clinical Chemistry
Enzymology, endocrinology, biochemistry of lipids, carbohydrates and proteins, metabolism of nitrogenous end products, physiology and metabolism of fluids and electrolytes, and toxicology as related to the body and diseases. The technical procedures include colorimetry, spectro-photometry, electrophoresis, chromatography, automation and quality control.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 340: Clinical Hematology/Coagulation
The composition and function of blood; diseases related to blood disorders; the role of platelets and coagulation. Manual and automated techniques of diagnostic tests for abnormalities.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 350: Clinical Immunohematology
Blood antigens, antibodies, cross-matching, hemolytic diseases, and related diagnostic tests. An in-depth study of blood donor service and its many facets such as transfusions, medico-legal aspects, etc.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 360: Clinical Immunology/Serology
Immune response, immunoglobulins, autoimmunity and complement and related tests and diseases. Survey and demonstration of serological diagnostic tests.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 370: Clinical Seminar
Other courses which are not included in the above (such as orientation, laboratory management, education, clinical microscopy) and/or are unique to the individual hospital program.
Prerequisites: Open to enrollment for Med Tech students ONLY

MED 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.
Prerequisites: Open to enrollment for Med Tech students ONLY

Modern Language Studies

MLS 101: Self-Instructional Language Course
Self-instructional Language courses are intended for intensified study, and are not offered as "crash" courses for a quick and superficial capability in the language. Progress and proficiency will be periodically and systematically monitored and tested by a qualified person proficient in the language. A particular course will be open to a student with permission of the chairman and only if a qualified informant is available. The University requires a statement signed by the student which releases the University of responsibility should a monitor/tutor be "lost" during study or, if faculty be unwilling or unable to continue the "Special Arrangement." Self-instructional courses are offered in Arabic, Chinese, Greek, Hebrew, Japanese, Polish, Portuguese.

MLS 102: Self-Instructional Language Course
Self-instructional Language courses are intended for intensified study, and are not offered as "crash" courses for a quick and superficial capability in the language. Progress and proficiency will be periodically and systematically monitored and tested by a qualified person proficient in the language. A particular course will be open to a student with permission of the chairman and only if a qualified informant is available. The University requires a statement signed by the student which releases the University of responsibility should a monitor/tutor be "lost" during study or, if faculty be unwilling or unable to continue the "Special Arrangement." Self-instructional courses are offered in Arabic, Chinese, Greek, Hebrew, Japanese, Polish, Portuguese.

MLS 103: Self-Instructional Language Course
Self-instructional Language courses are intended for intensified study, and are not offered as "crash" courses for a quick and superficial capability in the language. Progress and proficiency will be periodically and systematically monitored and tested by a qualified person proficient in the language. A particular course will be open to a student with permission of the chairman and only if a qualified informant is available. The University requires a statement signed by the student which releases the University of responsibility should a monitor/tutor be "lost" during study or, if faculty be unwilling or unable to continue the "Special Arrangement." Self-instructional courses are offered in Arabic, Chinese, Greek, Hebrew, Japanese, Polish, Portuguese.

MLS 104: Self-Instructional Language Course
Self-instructional Language courses are intended for intensified study, and are not offered as "crash" courses for a quick and superficial capability in the language. Progress and proficiency will be periodically and systematically monitored and tested by a qualified person proficient in the language. A particular course will be open to a student with permission of the chairman and only if a qualified informant is available. The University requires a statement signed by the student which releases the University of responsibility should a monitor/tutor be "lost" during study or, if faculty be unwilling or unable to continue the "Special Arrangement." Self-instructional courses are offered in Arabic, Chinese, Greek, Hebrew, Japanese, Polish, Portuguese.

MLS 357: Walking the Camino de Santiago de Compostela
This course explores the architectural and cultural contributions of groups who have inhabited the Iberian Peninsula. Special attention will be focused on these civilizations' contributions along the various pilgrimages to Santiago de Compostela including the French Way, Northern Way, Primitive Way and/or Portuguese Way.
Prerequisites: Permission of Instructor

MLS 363: The Entrepreneurial Language Professional
This course develops the praxis of entrepreneurship for translators, interpreters or other language professionals who wish to start their own freelance business or translation agency/company. Topics include: managing the start-up phase; designing a plan to market the services through traditional methods as well as social media; cost and product analysis to choose the appropriate equipment for the business; and financial planning such as setting rates, writing contracts, planning for taxes and handling payments. Taught in English.

MLS 380: Senior Seminar in Modern Languages
This course consists of reading and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Modern Languages. Required of all Liberal Arts students concentrating in Modern Languages and B.S. Secondary Education Teachers.

MLS 390: International Internship
This course is designed for the student wishing to spend an extended period of time abroad or at an approved domestic agency/organization in either an internship situation or non-traditional studies. Students must demonstrate that the internship or non-traditional program will be conducted in the modern language of study and will be adequately supervised. Other requirements may need to be met. Open to Majors and Minors with permission of the department chairperson.

MLS 428: Culture and Diversity of English Learners
This course is designed to prepare English as a Second Language (ESL) program specialists to facilitate the integration of English Language Learners (ELLs) and their families into the host school and community. As well, the course facilitates school staff members' understanding of multi-cultural and multi-language learners' needs and support strategies so as to maximize the educational experience. Participants in this course will undertake a comparative approach to similarities and differences between the US culture and other cultures with the goal of developing cultural understanding and sensitivity of ELL/ESL students and families living in the US culture.
Prerequisites: Students that have taken EDU 528 Student Diversity & Critical Pedagogy, cannot take EDU 428.

MLS 434: Instructional Methodology for English Learners
This course is for English as a Second Language (ESL) practitioners in partial requirement for the Pennsylvania Program Specialist ESL Certificate. This course offers research-based information relative to the design and implementation of an ESL program; methods, strategies, and resources for ESL programs; the use of computer technology (hardware and software) for ELLs; the use of audio/visual media for ELLs; the adaptation of instructional strategies and materials to address the specific needs, talents and interests of ELLs; the integration of multicultural information for ELLs through various curricula; the development, implementation, and evaluation of varied curricular and instructional activities for diverse ELLs; metacognitive awareness and strategic planning of ELLs to assist them in regular classrooms; and the acculturation process regarding reading, writing, speaking, listening, and culture.
Prerequisites: College of Education majors only

MLS 435: Language Acquisition and English Linguistics
This course is for English as a Second Language (ESL) practitioners in pa1tial requirement for the Pennsylvania Program Specialist-ESL Certificate. This course offers an overview of the basic mechanisms of human language, as well as first and second language acquisition and literacy development. Students will examine the linguistic elements of American English and discover effective methods of instruction and assessment of spoken and written language for use with ESL learners. This course is for English as a Second Language (ESL) practitioners in partial requirement for the Pennsylvania Program Specialist-ESL Certificate. This course offers an overview of the basic mechanisms of human language, as well as first and second language acquisition and literacy development. Students will examine the linguistic elements of American English and discover effective method s of instruction and assessment of spoken and written language for use with ESL learners.
Prerequisites: College of Education majors only

Multicultural Studies

MCS 10: Introduction to Multicultural Studies
This course is an introduction to the perspectives, histories and contemporary issues of diverse cultures in the United States as presented from the voices of those within the cultures. An interdisciplinary approach is used to examine various groups' struggles, traditions, and aesthetics. The course gives a foundation for further study in history, literature, sociology, music, art, business, and education.

MCS 370: Selected Research Topics in Multicultural Studies
This course is designed to allow students to do independent research under the direction of a faculty member. The topic must be accepted by the faculty member with whom the student will work. (Offered for 3 s.h. or 6 s.h.)

MCS 380: Seminar in Multicultural Studies
This is an important culminating activity which provides for the integration of the students' studies from their major program with the minor area concentration (multicultural studies). Students will complete a research project in their areas of interest and experience as evidenced by the courses selected to fulfill the basic requirements for the minor in Multicultural Studies. Students will have the opportunity to discuss their research in class as well as to explore timely issues in multicultural studies. Students will be encouraged to present their research at conferences and colloquia.

MCS 390: Internship in Multicultural Studies
Students with a minor in Multicultural Studies are provided with an opportunity to apply skills and knowledge gained in the minor on a supervised work experience in an agency that addresses issues in this field.

Music

MUS 10CT: Introduction to Music
A survey of western music designed to increase the student's understanding and enjoyment of music. Through lecture, discussion and directed listening the student will be introduced to representative works of the major stylistic periods in music history with reference to the political, social and artistic milieu in which they were created. Opportunity will be provided for listening to recordings, films, and live performances.

MUS 20: Basic Concepts and Skills of Music
Designed for students with little or no prior musical experience, this course provides basic knowledge concerning the structure of music, i.e., melody, rhythm, form, harmony, and texture. Along with an orientation to the keyboard, students are introduced to reading, writing, and creating music; sight singing, rhythms, ear training, and dictation.

MUS 24: Class Piano I
A course in practical keyboard facility, sight reading, and harmonization of folk melodies and songs. For all students interested in obtaining a better understanding of music by means of keyboard work. Useful for elementary majors who do not present a minimum degree of proficiency in piano.

MUS 79: Voice Class I
This course provides students with the opportunity to develop basic singing techniques and apply them to the singing of songs. Class performance stresses the development of confidence and expressiveness.

MUS 100: Experiencing Contemporary Music
This course is a perusal of contemporary practices in musical composition and performance as well as the socio-economic forces which determine these practices. Various musical media, styles and historic periods of music will be included to the extent that they impact upon investigations and discussions of current musical events and performances. The course will include visits to the classroom by various artists as well as visits by the class to local and urban cultural centers.

MUS 101: Aural Skills I
This course provides the student with the opportunity to learn and develop the aural, visual and theoretical aspects of music reading. Students will study the movable "DO" system of solfeggio and sing using these syllables, scale degree numbers, and note letter names, using both treble and bass clefs. Students will learn to take melodic, harmonic, and rhythmic dictation in diatonic relationships with few incidental chromatics. The level of harmony parallels the material in MUS 102, Harmony and Theory I. It is recommended that these courses be taken concurrently.
Prerequisites: MUS 020 or permission of instructor.

MUS 102: Harmony and Theory I
This course is designed as a foundation course in diatonic harmony and music theory. The study of primary and secondary triads and seventh chords, their inversions, and non-harmonic tones will be emphasized along with related skills in melodic analysis and composition. This course should be taken concurrently with MUS 101.
Prerequisites: MUS 020 or permission of instructor.

MUS 106CD: History of Rock and Roll
This course is a study of the origins and development of Rock and Roll music. It examines the role of popular music especially in the 1950s and beyond in a broad overview of historical, artistic, and cultural traditions. Through lecture, discussion, and directed listening, students will become familiar with the social circumstances, technologies, musical groups, songwriters, and producers that have affected and shaped Rock and Roll music.

MUS 108CD: Introduction To World Music
This course is a survey of music focusing on non-Western cultures. Selected musical traditions from throughout the world will be explored, with emphasis on how music functions as part of the daily life in particular societies. Through lecture, discussion, and direct listening, students will become more familiar with other cultures, values, and traditions and gain a better aesthetic appreciation of music from diverse societies.

MUS 113VL: Introduction to Film Music
This class examines the history and development of film music through readings, lecture and film viewing. The class studies the process of film scoring and how music and its relationship to film have changed over the last century. Class will include discussion and evaluation of different compositional styles and learning to listen critically to film scores while viewing movies.

MUS 118: Rhythm and Movement, Applications of Dalcroze Eurthmics
This course enables students to establish an internal pulse through movement and listening exercises based on the concept of Eurythmics which, along with Solfege and Improvisation, makes up the approach to music education developed by Emile Jaques-Dalcroze. The Dalcroze approach to music education is based on the idea that rhythm is the primary element in music, and that the source for all music rhythm may be found in the natural rhythms of the human body.

MUS 121: Fundamentals of Music Business
This class is a general overview of the major areas of music business and the music industry. Attention is given to the theoretical foundations and practical application of current business practices in the music industry including supporting organizations and the revenue flow from music consumer to creator.

MUS 122: Classical Guitar I
For all students, this is a course in the fundamentals of the classical style of guitar performance. For beginners only, each student must provide his/her own instrument.

MUS 123: Exploring Music through Modern-Day Thinkers
This exploratory course takes the student into the world of music by examining music-based lectures, papers, and videos presented by innovative thinkers from 1984 to present day. Through discussion and analysis of groundbreaking presentations, students will delve into the culture of the musician and artist.

MUS 124: Class Piano II
A study of the piano, its technique and literature; a continuation of Class Piano I. This course is intended for those who are capable of playing medium grade piano music. Admission by permission of instructor.

MUS 129: Recording Technology Survey
This course is provided as an introductory study of developments in music recording technology. The course will focus on historical innovations in the recording process, a chronology of historical recordings, and the resulting effect of technology on the sonic quality of recorded music.

MUS 179: Voice Class II
This course is a continuation of vocal technique developed in Voice Class I. It includes interpretation, stage deportment, programming and song literature.
Prerequisites: MUS 079 or permission of the instructor.

MUS 191: Italian Lyric Diction for Singers
This course is a study in the correct manner of singing Italian lyric diction. Students are introduced to the International Phonetic Alphabet as a means for studying the language. The course is designed to be taken by voice students who are concurrently enrolled in applied voice. (1 s.h., 2 c.h.)
Prerequisites: MUP 239

MUS 192: German Lyric Diction for Singers
This course is a study in the correct manner of singing German lyric diction. Students are introduced to the International Phonetic Alphabet as a means for studying the language. The course is designed to be taken by voice students who are concurrently enrolled in applied voice. (1 s.h., 2 c.h.)
Prerequisites: MUP 239

MUS 193: French Lyric Diction for Singers
This course is a study in the correct manner of singing French lyric diction. Students are introduced to the International Phonetic Alphabet as a means for studying the language. The course is designed to be taken by voice students who are concurrently enrolled in applied voice. (1 s.h., 2 c.h.)
Prerequisites: MUP 239

MUS 195WI: Music in Human Experience
This course considers how music has functioned in human societies around the world and also historically across time. Students will examine music in the context of religion, court traditions, dancing, entertainment, and theatrical presentations in Western European history and also in traditional and popular cultures around the world. Through lecture, discussion, and directed listening, students will gain a better aesthetic appreciation of music in a range of human experience.

MUS 199: Songwriting
This course will incorporate elements of practical application and technique of the working songwriter. The song as a creative vehicle will be explored, from the creation of ideas through melody, lyrics, and “hooks.” Students will learn how to brainstorm ideas, overcome writer's block, and express themselves more effectively in words and music.
Prerequisites: MUS 102 Harmony and Theory I; or permission of instructor.

MUS 201: Aural Skills II
This course is a continuation of MUS 101 Aural Skills I, in which the aural, visual and theoretical aspects of music reading are developed and expanded. Students will continue working with the movable "DO" system of solfeggio, and will sing using these syllables, scale degree numbers, and note letter names. Both treble and bass clefs will be used for the exercises, and both diatonic and chromatic relationships will be studied. Part singing, including canons, duets, trios, and standard SATB four-part writing will be studied. The level of harmony parallels the material in MUS 202 Harmony and Theory II; it is recommended that these courses be taken concurrently.
Prerequisites: MUS 101 and MUS 102 or permission of the instructor.

MUS 202: Harmony and Theory II
This course is designed to follow the foundation course in harmony and music theory, extending to chromatic harmony and modulation. The study of secondary dominants and seventh chords and their inversions will begin the study of modulation, along with harmonic sequences, pivot chords, direct change of key, borrowed chords, and other elements of chromatic harmony. This course should be taken with MUS 201.
Prerequisites: MUS 101 and MUS 102 or permission of the instructor.

MUS 205: The Physical Properties of Sound: Music and Music Reproduction
This course is a non-mathematical music-based study of sound; its properties, production, storage and reproduction. This course will study the acoustical properties of the voice and music instruments and the electronic devices used to record and reproduce their sounds. The course is designed to provide experiences in the practical uses of musical acoustics.

MUS 207: British Music
A study of the music of England, Ireland, Scotland and Wales, including an analysis of its structure, styles, and aesthetic concepts. Major composers of all historical periods will be considered and their contributions in the various genres will be presented within the context of the social and historical background of the British Isles.

MUS 209CDWI: Women in Music
This course will examine the contributions of women as composers, performers and conductors of music from the Middle Ages through the twentieth century. Focus will remain mainly on the roles of women in the sphere of classical music, although some jazz and popular music will be included. Class is limited to 25 students. (This course is also offered under the WST 209 designation.)

MUS 213: Aural Skills III
This course is a continuation of MUS 201 Aural Skills II, in which the aural, visual and theoretical aspects of music reading are further developed and expanded. Students will continue working with the movable "DO" system of solfeggio, and will sing using these syllables, scale degree numbers, and note letter names. Both diatonic and chromatic relationships will be studied, with emphasis on material involving modulation and an expanded harmonic vocabulary. Part singing, including canons, duets, trios, and standard SATB four-part writing, will be studied. The level of harmony parallels the material in MUS 214 Harmony and Theory III; it is recommended that these courses be taken concurrently.
Prerequisites: MUS 201 and MUS 202 or permission of instructor.

MUS 214: Harmony and Theory III
This course is designed as a continuation of Harmony and Theory II. It emphasizes the study of advanced chromatic harmony, with borrowed chords, augmented sixth chords, ninth/eleventh/thirteenth chords, and other late nineteenth century harmonic devices.
Prerequisites: MUS 202, MUS 201. To be taken concurrently with MUS 213.

MUS 215CDWI: American Popular Music
This course is a study of the origins of popular music in the United States. It examines the role of popular music beginning in the nineteenth century into the twenty-first century in a broad overview of the music industry, published sheet music and recorded sound. Through lecture, discussion, and directed listening, students will become familiar with popular song, musical theater, blues, jazz, folk, country, rock, film music, rap, and current pop artists.

MUS 217: Music and the Spoken Word
This course is designed to develop and intensify the student's intellectual, emotional and aesthetic responses to the aural qualities of spoken word poetry and music through an examination of the similarities and differences between them. It combines rhythm, rhyme, music, drumming, and the power of words. Emphasis will be placed upon those works that particularly convey their meaning through aural and temporal devices.
Prerequisites: COM 10 and any MUS course or permission of the instructor.

MUS 220: Modern Music Since 1900
This course is an examination of the trends and stylistic concepts developed in Europe and America beginning with Post-Wagnerian Romanticism. Along the trends and styles to be considered are impressionism, neo-classicism twentieth-century nationalism, the twelve-tone school, jazz, electronic, chance, multi-media, consolidation, neo-romanticism, minimalism, and computer music.
Prerequisites: MUS 010 or permission of instructor.

MUS 224: Class Piano III
This course will serve as a continuation of Class Piano I and II and also as a placement for students with more fluent reading and playing skills than required for Class Piano II. A placement examination is required of students without prior study in Class Piano II.
Prerequisites: MUS 124 or permission of the instructor.

MUS 225CD: Jazz: Its History and Influence
A study that explores the logical musical derivatives and developments in jazz and how these developments affected and continue to affect individual jazz styles.

MUS 226: Jazz Improvisation
This course is an introduction to jazz improvisation and is designed to increase the student's understanding of the principles of improvisation in the jazz idiom. Through lecture and demonstration the student will receive instruction in the basics of jazz improvisation as founded in the be bop era of jazz history.
Prerequisites: MUS 102 Harmony and Theory I; or permission of instructor.

MUS 228: The History of American Musical Theatre
This course is an advanced history and survey of the musical, the American contribution to the world of theatre. In addition to examining contemporary musicals, American precursors and European influences, innovators and innovations in music, libretto, staging and choreography will be studied as a means of illustrating changes and trends in music theatre.

MUS 230CP: Intro To Music Technology
This course will present the student with an investigation into the equipment and materials available in current trends in music technology. Information presented in the course will relate to the practicing musician as well as music teachers. The course will cover the technique and creative process of incorporating music technology into the school curriculum to meet current standards, and the methods of adapting music technology to various classroom and ensemble settings.
Prerequisites: MUS 102 Harmony and Theory I; or permission of instructor.

MUS 279: Private Instruction in Music Composition
This course is one-half hour per week private instruction in the techniques of music composition. The course will be offered consistent with student demand, availability of faculty and facilities.

MUS 291: Selected Topics in Music
Topics in the field of Music will be selected for study. For example, topics may include music literature courses such as genres, stylistic periods, ethnic music, performers and composers, or music theory courses such as analysis of selected works, counterpoint, and twentieth century compositional techniques. The course may be repeated for credit provided that the same topic is not repeated. Prerequisites will be determined by the topic selected.

MUS 292CP: Audio Engineering I
This course is an introduction to the field of audio engineering. The primary focus of the course is an investigation of recording session procedures including the technical specifications and operational features of each component in the recording studio. Emphasis is placed on developing logistical and auditory perception skills for recording engineers.
Prerequisites: MUS 129

MUS 293: Hip-Hop Music and Culture
This course examines the historical, social, political, and aesthetic roots of hip-hop music and culture. Students in this class will examine the music and lyrics of a selection of representative songs by hip-hop groups and individual artists. Through critical listening and reading students will explore and examine the sociopolitical influence and the controversy and criticisms of hip-hop music and cultural phenomena such as constructions of race, neighborhood, masculinity, misogyny and homophobia, and the uses of technology. The course will also explore how musical processes like rapping, DJing, scratching, and sampling have evolved, as well as how styles and subgenres have proliferated.

MUS 294: Sound Design for Visual Media
This course focuses on elements of designing, editing, and mixing sound for film, video, and video games. Students take the skills of audio recording and mixing acquired in Audio Engineering I or Audio Production to produce realistic sound design for visual productions. Skills learned in this course include microphone technique and placement, field and studio recording, and Foley/atmospheric creation. Additionally, manipulating these sounds within editing software expands the creative process.

MUS 302: The Modern Private Music Teacher
This course will explore the various pedagogical approaches for teaching private lessons on specific instruments, the core of teaching repertoire for the solo instrument, injury prevention, and the logistics of running a private music studio.
Prerequisites: MUS 202 or permission of the instructor.

MUS 303: Electronic Music Composition
This course is intended to provide the student who is interested in electronic music (music produced by means of synthesizers and computers) with the theoretical and practical knowledge of the basics of electronic music production, the application of MIDI technology and the basic techniques of electronic music composition using traditional recording and sequencer technology.
Prerequisites: MUS 102 Harmony and Theory I; or permission of instructor.

MUS 304: The Professional Classical Musician
This course explores the musical and business skills necessary for a career in performance and music related occupations. Through lecture, discussion, and projects, the students will focus on their development as musicians and as entrepreneurs in preparation for seeking existing jobs and creating new opportunities.

MUS 305: The Professional Jazz Musician
This course explores the musical and business skills necessary for a career in performance and music related occupations. Through lecture, discussion, and projects, the students will focus on their development as musicians and as entrepreneurs in preparation for seeking existing jobs and creating new opportunities.

MUS 307: Techniques and Materials of Musical Composition
This course investigates the rhythmic and harmonic materials used in the creation of a musical composition. Attention will be given to the development of the melodic and rhythmic structure of a musical composition as well as the formal organization of traditional works by selected composers. Additionally, students will gain a basic understanding of the instrumental and vocal resources used in the creation of an original musical composition.
Prerequisites: MUS 214 or permission of the instructor.

MUS 308: Jazz and Commercial Arranging
This course investigates the instruments and materials used by jazz and commercial arrangers and the craft of adapting compositions to various vocal and instrumental media within the jazz and commercial genre.
Prerequisites: MUS 202 or permission of the instructor.

MUS 309: Advanced Jazz Improvisation
This course is designed to increase the student's improvisation skills, building upon Jazz Improvisation I. The students will move to the phase of improvisational expertise that will allow them to create new material rather than mimicking that which past masters have already established. The course will begin the study of improvisation in the post-bop period, focusing on the innovations and creative thought process of Miles Davis, John Coltrane, Wayne Shorter, and others.
Prerequisites: MUS 226

MUS 310: Composition and Arranging
An investigation into the creative process of music composition and the craft of adapting compositions to various vocal and instrumental media.
Prerequisites: MUS 102, MUS 202, and MUS 214; or permission of the instructor.

MUS 311WI: Music from Ancient Times to 1750
This course is a study of the music literature from ancient times to 1750. It integrates the role of music in a broad overview of historical, artistic, and cultural traditions. Emphasis is placed on the analysis of forms, styles, genres, and compositional approaches as found in musical scores, to better understand the music in its historical context.
Prerequisites: MUS 202 or permission of the instructor.

MUS 312CDWI: Music from 1750 to the Present
This course is a study of the music literature from 1750 to the present. It integrates the role of music in a broad overview of historical, artistic, and cultural traditions. Emphasis is placed on the analysis of forms, styles, genres, and compositional approaches as found in musical scores, to better understand the music in its historical context.
Prerequisites: MUS 311 or permission of the Instructor.

MUS 315: Audio Engineering II
As a continuation of MUS 292 (Audio Engineering I), this course is an advanced study of components in the recording studio. Students will explore advanced studio electronics and signal flow, computer-based digital recording and editing, console operations, microphones, spatial signal processing, and the role of the audio engineer.
Prerequisites: MUS 292

MUS 318: Symphonic Literature
This course is an in-depth examination of representative orchestral works from the eighteenth to the twenty-first century that are often too long to be studied in other survey courses. While historical and contextual background is addressed, the focus of the course is study and analysis of the form, movement structure, compositional process, performance practice, and orchestration of the works selected through score study and directed listening.
Prerequisites: MUS 214 or permission of the instructor.

MUS 324: Class Piano IV
This course will serve as a continuation of Class Piano I, II, and III, and will complete the cycle of four semesters of basic piano study. Students with more fluent reading and playing skills than are required for Class Piano III may progress to Class Piano IV. Other students without previous Class Piano study may take a placement examination to enroll in the course.
Prerequisites: MUS 224 or permission of the instructor.

MUS 325CT: Conducting (Vocal and Instrumental)
The course is a study of conducting techniques for choral, orchestral and band music through lecture, demonstration, reading, discussion, and recitation. The primary focus of this course is on developing effective and efficient rehearsal methods and conducting techniques.
Prerequisites: MUS 101, MUS 102, MUS 201, MUS 202 or permission of the instructor.

MUS 326: Advanced Conducting
The course is a study of advanced techniques of conducting through lecture and demonstration with recordings and live ensembles. The primary focus of this course is to develop more advanced skills in conducting technique, rehearsal planning, and advanced concepts in sound and styles.
Prerequisites: MUS 325

MUS 327: Aesthetics and Music Criticism
This course covers the philosophical basis of expression as a foundation for understanding the nature, function and modes of musical art. The consideration of criteria for music as a component of human life experience is included.

MUS 328: Hearing Musical Form I
This course develops the ability to identify and hear structural form in Western music. In addition to motives, cadences, and musical phrases, the formal structures of 1-Part form, Binary, Ternary, Ostinato, Variations, and Contrapuntal forms from the 17th through 19th centuries will be studied. Emphasis is placed on techniques for hearing form, analysis of musical scores, and the application of both to performance.
Prerequisites: MUS 214 or permission of the instructor.

MUS 329: Hearing Musical Form II
This course develops the ability to identify and hear structural form in Western music. In addition to motives, cadences, and musical phrases, the formal structures of Sonata form, Rondo, and Sonata-Rondo from the 17th through 19th centuries will be studied as well as 20th and 21st Century innovations in form. Emphasis is placed on techniques for hearing form, analysis of musical scores, and the application of both to performance.
Prerequisites: MUS 214 or permission of the instructor.

MUS 330: Analysis of Music: Stylistic and Structural
This course studies the stylistic and structural development of Western Music from the Baroque Period to the present day. Emphasis is placed upon formal and harmonic analysis and the related aesthetic purpose of the development of architectural structuring.
Prerequisites: MUS 214 or permission of the instructor.

MUS 379: Directed Studies in Music
This course is an individualized approach to address the needs and interests of select students through guided research, readings, discussions, and papers.

MUS 380: Senior Seminar in Music
This course includes readings and discussions of music as a component of contemporary society, with particular reference to the complementary roles of the composer, performer, consumer and critic.
Prerequisites: BA MUS major and permission of the instructor.

MUS 391: Field Experience in Music
Intended as a capstone experience this course is designed to provide the student with educational opportunities outside the normal academic program which cannot be gained through the more traditional course structure. Music internships may take place in a variety of music fields including but not limited to music products retail and wholesale, arts management, marketing, promotions, live performing, recording, live sound, venue operations, sound design, and/or audio production. Music internships usually occur following completion of the student's core coursework. Students are encouraged to make contact with potential internship programs well before their internship semester.
Prerequisites: MUS 121 and MUS 292

MUS 392: Field Experience in Music
Upon approval of a cooperating agency, the student will be placed in a situation in which practical professional experience can be acquired through an organization related to his/her career plans. Interested students should apply through their advisor or the chairperson of the department.

MUS 393: Field Experience in Music
Upon approval of a cooperating agency, the student will be placed in a situation in which practical professional experience can be acquired through an organization related to his/her career plans. Interested students should apply through their advisor or the chairperson of the department.

MUS 394: Field Experience in Music
Upon approval of a cooperating agency, the student will be placed in a situation in which practical professional experience can be acquired through an organization related to his/her career plans. Interested students should apply through their advisor or the chairperson of the department.

MUS 395: Honors: Independent Study/Thesis
Honors Independent Study/Thesis.

MUS 399: Independent Study: Music
This course is an individualized approach to address the needs and interests of select students through guided research, readings, discussions, and papers in music. Students may schedule this course for one to three credits in a single semester.
Prerequisites: Permission of Instructor

MUS 420: Selected Topics In Music Literature
Music literature of various stylistic periods, cultures, media, and genre, and/or works of selected composers or performers which cannot, because of their scope, receive emphasis in existing music literature courses are studied.

MUS 450: Performing Arts Administration
Performing Arts Administration will engage students in the business aspects of the performing arts industry, including organizational behavior and arts management, performing arts center and ensemble management, community arts organizations, financial management for the arts, audience development and marketing the arts, legal issues in the arts, repertoire appraisal in the arts, working in the non-profit sector, grant-writing, and fundraising. Students will also complete field work with local arts agencies as part of the course.

MUS 460: Foundations of Christian Musical Worship
This course is a study of the history, theology, and practice of music and the arts in worship. Designed for church musicians and students who are interested in music in the church, this course will provide biblical and historical perspective and necessary materials and resources to understand and develop creative worship experiences.
Prerequisites: Permission of Instructor

MUS 470: Selected Topics in Music Literature
Music literature of various stylistic periods, cultures, media, and genre, and/or works of selected composers or performers which cannot, because of their scope, receive emphasis in existing music literature courses are studied.

Music Education

MUU 100WI: Overture To Music Education
This course serves as an introduction to the foundations of music education. Topics include history of music education in the United States, philosophical underpinnings of what we do as musician educators and why we do it, on becoming a musician teacher, fundamental psychology of learning and teaching, developing tools for teaching, early childhood music, elementary and secondary classroom music, instrumental music, choral music, multicultural music education, diverse learners, and developing instruction. Special emphasis is placed on helping the music education student in developing one's own philosophy of music and music education, and how being a music teacher requires one to be both a fine musician and a fine teacher.

MUU 220: Elementary Music Methods
This course will prepare the prospective music educator to be able to create, develop, and teach successful elementary classroom music programs. Students will study major trends and learning theories, apply knowledge of child development including exceptional populations, examine the literature and materials for teaching music, create lesson and unit plans, and engage in practice teaching experiences.

MUU 222VL: Secondary Music Methods
This course will prepare the prospective music educator to be able to create, develop, and teach successful classroom music programs for individuals from grade 6-12. Appropriate music course offerings will be outlined for both middle and high school settings based on the social, psychological, intellectual, and physical changes experienced by students of this age group. Practical, hands-on teaching experience will be achieved by having students prepare and present lessons. Performance opportunities and concerns will be discussed. Students will also examine a variety of resources, including the music of various cultures, as well as the resources available in their own community.
Prerequisites: Music Education majors only

MUU 231: String Techniques
This course will prepare the prospective music educators to be able to teach string instruments to beginning school students, and to successfully apply knowledge of string instruments in the school instrumental music program in classroom and ensemble settings.
Prerequisites: Music Education majors only

MUU 232: Woodwind Techniques
This course will prepare the prospective music educators to be able to teach woodwind instruments to beginning school students, and to successfully apply knowledge of woodwind instruments in the school instrumental music program in classroom and ensemble settings.
Prerequisites: Music Education majors only

MUU 233: Brass Techniques
This course will prepare prospective music educators to be able to teach brass instruments to beginning school students, and to successfully apply knowledge of brass instruments in the school instrumental music program in classroom and ensemble settings.
Prerequisites: Music Education majors only

MUU 234: Percussion Techniques
This course will prepare prospective music educators to be able to teach percussion instruments to beginning school students, and to successfully apply knowledge of percussion instruments in the school instrumental music program in classroom and ensemble settings.
Prerequisites: Music Education majors only

MUU 236: The Arts and Pre-K 4 Education
This course provides Pre-K through Gr4 Teacher Candidates with concepts and skills central to the visual and performing arts (Visual Art, Music, Theater, and Dance). Candidate will learn how to construct developmentally appropriate learning experiences in the arts for Pre-K through 4 students and how to integrate these experiences with other subjects. (3 s.h., 4 c.h.)

MUU 299: Music Education Lab
This is a workshop course for music teacher candidates which provides learning experiences in individual topics including guitar, musical theatre, and jazz improvisation which meet standards required for certification.

MUU 320: Instrumental Music Methods
This course is designed to prepare students to teach instrumental music in the schools. Each student will be able to discuss and/or demonstrate appropriate teaching techniques, strategies and materials (including representative orchestral and wind repertoire), and develop an understanding of the administrative responsibilities needed to initiate and maintain a successful instrumental music program.
Prerequisites: Music Education majors with MUS325, MUU 220, MUU 222, MUU 231, MUU 232, MUU 233, and MUU 234; or permission of the instructor.

MUU 322: Choral Music Methods
This course is designed to prepare students to teach choral music in the schools. Each student will be able to discuss and/or demonstrate appropriate teaching techniques, strategies, and materials (including representative choral repertoire), and develop an understanding of the administrative responsibilities needed to initiate and maintain a successful choral music program.
Prerequisites: Music Education majors with MUS325, MUU 220, MUU 222, MUU 231, MUU 232, MUU 233, and MUU 234; or permission of the instructor.

MUU 390: Clinical Experience and Practicum: Music I
Student teaching is the culminating experience of the undergraduate Music Education program. It provides the student with the opportunity to observe professional music teachers and to participate in the music education program of the school. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchangeable. At some point during these placements the student teacher will have experience with general, vocal/choral, and instrumental music instruction. The student teacher is expected to participate in planning and teaching lessons in all of these areas. The Practicum is a seminar scheduled concurrently with Student Teaching. Led by university faculty, students will discuss a variety of subjects, including but not limited to: teaching strategies, learning theory, classroom and rehearsal management techniques, community resources, and other pre-professional concerns.

MUU 391: Clinical Experience and Practicum: Music II
Student teaching is the culminating experience of the undergraduate Music Education program. It provides the student with the opportunity to observe professional music teachers and to participate in the music education program of the school. The student teaching semester is divided into two segments, one at the elementary level (K-6) and the other at the secondary level. These are interchangeable. At some point during these placements the student teacher will have experience with general, vocal/choral, and instrumental music instruction. The student teacher is expected to participate in planning and teaching lessons in all of these areas. The Practicum is a seminar scheduled concurrently with Student Teaching. Led by university faculty, students will discuss a variety of subjects, including but not limited to: teaching strategies, learning theory, classroom and rehearsal management techniques, community resources, and other pre-professional concerns.

MUU 399: Independent Study: Music Education
This course is an individualized approach to address the needs and interests of select students through guided research, readings, discussions, and papers in music education. Students may schedule this course for one to three credits in a single semester.
Prerequisites: Permission of Instructor

MUU 421: Marching Band Techniques
This course covers the administration and management of the high school marching band as part of a total instrumental music program in the public schools. Students are exposed to the various techniques used in producing a superior performing ensemble that also adhere to the basic musical objectives of a quality band program. The course emphasizes rehearsal technique and the application of pedagogical skills to the marching ensemble. Show design, charting, marching and maneuvering, rehearsal planning, equipment selection, percussion techniques, personnel management, auxiliary units, discipline, and performance preparation are major topics for discussion. This course introduces students to the fundamentals of music arranging and drill writing for the contemporary marching band. Teaching methodologies of basic marching maneuvers and drill rehearsing will be covered. The course will also cover music selection and show design.
Prerequisites: MUS 214 or permission of the instructor.

Music Performance

MUP 229: Applied Jazz Instruction
Instruction one half hour per week in voice, keyboard, guitar, drum set, saxophone, electric and/or acoustic bass, trumpet, trombone, vibes. This instruction will be offered consistent with student demand, availability of faculty and facilities.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 230: Chamber Ensemble
This course will provide students with opportunities to engage in live music-making experiences in a variety of small ensemble settings. Faculty members will instruct and coach students in appropriate aspects of musicianship and the development of performance skills as is appropriate for the type of ensemble.

MUP 231: String Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble. May be repeated for credit.

MUP 232: Woodwind Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble. May be repeated for credit.

MUP 233: Brass Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble. May be repeated for credit.

MUP 234: Percussion Ensemble
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 235: Vocal Ensemble
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 236: Applied Music: French Horn (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 237: Applied Music: Piano (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 238: Applied Music: Organ (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 239: Applied Music: Voice (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 240: Applied Music: Viola (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 241: Applied Music: Cello (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 242: Applied Music: String Bass (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 243: Applied Music: Flute (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 244: Applied Music: Oboe (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 245: Applied Music: Clarinet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 246: Applied Music: Bassoon (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 247: Applied Music: Saxophone (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 248: Applied Music: Trumpet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 249: Applied Music: Violin (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 250: Applied Music: Baritone Horn/Trombone (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 251: Recorder Ensemble
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 252: Applied Music: Tuba (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 253: Applied Music: Percussion (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 254: Applied Music: Guitar (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 275: Jazz Combo
This course will provide students with opportunities to engage in live music-making experiences in a small ensemble setting. Faculty members will instruct and coach students in appropriate aspects of musicianship and the development of performance skills as is appropriate. This course is repeatable for credit, including in the same semester, up to 99 times.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 276: Popular Music Ensemble
This course will provide students with opportunities to engage in live music-making experiences in a small ensemble setting. Faculty members will instruct and coach students in appropriate aspects of musicianship and the development of performance skills as is appropriate for popular styles of music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 277: Studio Performance Seminar
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 281: University Band
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 282: University Marching Band
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 283: University Choir
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 285: University Orchestra
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 287: New Music Ensemble
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 289: Large Jazz Ensemble
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 296: Musical Theatre Workshop
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music. This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 399: Senior Recital
This course will prepare the student to present a live music performance in the student's principal applied music medium. The performance may be public or private, as determined by a hearing by the faculty of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 430: Chamber Ensemble
This course will provide students with opportunities to engage in live music-making experiences in a variety of small ensemble settings. Faculty members will instruct and coach students in appropriate aspects of musicianship and the development of performance skills as is appropriate for the type of ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 431: String Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 432: Woodwind Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 433: Brass Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 434: Percussion Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 435: Vocal Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 436: Applied Music: French Horn (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 437: Applied Music: Piano (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 438: Applied Music: Organ (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 439: Applied Music: Voice (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 440: Applied Music: Viola (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 441: Applied Music: Cello (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 442: Applied Music: String Bass (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 443: Applied Music: Flute (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 444: Applied Music: Oboe (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 445: Applied Music: Clarinet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 446: Applied Music: Bassoon (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 447: Applied Music: Saxophone (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 448: Applied Music: Trumpet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 449: Applied Music: Violin (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 450: Applied Music: Trombone (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 455: String Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 456: Woodwind Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 457: Brass Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 458: Percussion Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 459: Vocal Ensemble
Ensemble instruction may be elected only with the permission of the instructor. Ensemble instruction: One hour per week in string, woodwind, brass, percussion, jazz, and vocal ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 460: Applied Music: French Horn (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 461: Applied Music: Piano (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 462: Applied Music: Organ (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 463: Applied Music: Voice (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 464: Applied Music: Viola (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 465: Applied Music: Cello (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 466: Applied Music: String Bass (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 467: Applied Music: Flute (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 468: Applied Music: Oboe (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 469: Applied Music: Clarinet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 470: Applied Music: Bassoon (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 471: Applied Music: Saxophone (Pr
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 472: Applied Music: Trumpet (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 473: Applied Music: Violin (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 474: Applied Music: Trombone (Pr)
Private instruction: One half hour per week in voice, piano, organ and orchestral instruments. There is a special fee for private instruction and a special fee for organ rental. Private instruction requires permission of the instructor and the Chairperson of the Department of Music.
This course is repeatable for credit, including in the same semester, up to 99 times.

MUP 480: Chamber Ensemble
This course will provide students with opportunities to engage in live music-making experiences in a variety of small ensemble settings. Faculty members will instruct and coach students in appropriate aspects of musicianship and the development of performance skills as is appropriate for the type of ensemble.
This course is repeatable for credit, including in the same semester, up to 99 times.

Paralegal Studies

PLG 120: Introduction to Paralegal Studies
The paralegal profession is investigated in this course. Topics studied include careers as a paralegal, job searching techniques, ethics, and limitations of paralegals. The course will also explore the court systems of the federal government and Pennsylvania, as well as introduce legal research, including but not limited to mandatory and binding precedent, persuasive precedent, and legal citations. Legal writing and terminology are also course components as well as legal analysis and various systems utilized in a law office.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 125: Workers' Compensation Practice for Paralegals
Provides paralegal students with a knowledge of the workers' compensation laws and the legal concepts embodied in the Pennsylvania Workers' Compensation Act. Other topics include practice and procedure before administrative judges, trial issues, and the relationship of workers' compensation law to other administrative entitlements, such as Social Security Disabilities.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 130: Social Security Disability Practice
Provides paralegal students with a knowledge of the laws involved in Social Security Disability practice, as well as the practice and procedure before administrative judges, trial issues, and relationship to other administrative entitlements, such as worker's compensation.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 135: Interviewing for Paralegals
Provides paralegal students with a knowledge of the interviewing skills that are to be mastered in a legal setting. Interviewing skills are essential skills for the well-educated paralegal. The students will be exposed to the different types of interview situations that may be encountered in a legal setting. The students will demonstrate their knowledge of interviewing by conducting various types of interviews. The students will also be required to understand the ethical responsibilities in interviewing. The course will also provide the students with the communication skills necessary for effective interviewing techniques.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 150: Torts and Personal Injury Law
Tort law is an area of law that covers every aspect of society. Tort law governs the conduct of individuals, corporations, and businesses by providing an outlet for addressing civil wrongs. This course will provide the student with an understanding of the variety of torts and the elements necessary for tort cause of action. The student will gain an understanding of tort law through practical application of tort law concepts.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 200: Civil Litigation and Procedures
Intended to be a follow-up to the Torts and Personal Injury Law course. Enables the student to assist in all aspects of civil litigation including the drafting of pleadings. Entails an extensive study of pre-trial, trial, and post-trial procedures.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 215: Law Office Management
Covers the fundamentals of law office management. Designed to familiarize the paralegal with the practical inner-workings of a law office including understanding law office procedures. Law office management goes beyond mere efficiency and productivity and includes being sensitive to ethical concerns and providing quality legal services to clients in an affordable manner. Covers an array of topics that will be encountered in a law office setting.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 220: Contract Law and Business Organizations
Provides paralegal students with an understanding of basic business law concepts. The students will demonstrate their knowledge of contracts by drafting various contract clauses and an entire contract. The students will also be required to understand judicial interpretation of the contract principles by completing assignments. Educates paralegal students with regard to business organization and prepares the student to work in the area of corporate law as a paralegal. Gives the students an overview of the laws and the theory as well as practical information concerning sole proprietorship, partnerships, and corporations. Students will be required to analyze cases to illustrate the application of laws being discussed. The students will also be required to draft various documents regarding business operations. Warranties, sales, and agency agreements are also reviewed.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 228: Immigration Law for Paralegals
This course will provide an introductory overview of US immigration law with a focus in the paralegal's role in case assembly, compilation, intake, and processing. Students will learn to identify common issues and available benefits associated with processing nonimmigrant and immigrant visa cases to discuss with the Attorney. Students will also gain an overall understanding of both the nonimmigrant and immigrant visa process and US citizenship including the forms, documents, and filing procedures associated with each.
Prerequisites: PLG 120 & (PLG 150 or PLG 220)

PLG 230: Estates and Trusts
Enables the student to understand the legal principles involved in estate work and to demonstrate the skills necessary to assist in the preparation and completion of all documents incident to estate practice. Includes a coverage of living wills and various types of trusts as well as probate administration.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 235: Family Law
Provides the student with a thorough, working knowledge of the basics of family law. Covers the essentials of family law and the tasks that a paralegal might perform in an active practice, such as client interviewing and coordinating discovery. Entails a study of the various aspects involved in family law including marriage, antenuptial agreements, divorce, spousal and child support, property distribution, divorce proceedings, and adoption. The course materials are supplemented by Pennsylvania specific materials.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 240: Bankruptcy Law
Presents a practical approach to the understanding of bankruptcy law. Familiarizes the student with the bankruptcy code as well as the bankruptcy process. Approaches the bankruptcy process with a practical perspective and "hands-on" approach featuring research and drafting projects.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 245: Legal Research and Writing
Involves the understanding of the various sources involved in law. Includes primary and secondary resources. The student will be able to distinguish binding or persuasive law. The student will combine legal research with legal writing by completing problems and preparing of a memorandum of law. Legal writing entails case briefing, drafting a memorandum of law, and review of components of legal correspondence. Utilizes the library at Lehigh County Court of Common Pleas.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 250: Legal Internship
Provides the student with "hands-on" experience while working at a law firm, courthouse, bank, or other acceptable locale. The student will work a total of 225 hours at the business during the semester, as well as attendance in meetings to discuss job-searching skills. Intended to be taken after a majority of the course work is completed. Must be pre-approved by the program coordinator according to deadlines established in internship manual.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

PLG 255: Legal Writing
Legal writing skills are reinforced through various assignments. The student will draft case briefs, complaints, answers, discovery demands, motions, and various types of legal correspondence. Legal research will be utilized to respond to a fact simulation that results in a memorandum of law. Grammar competency is expected.
Prerequisites: Please contact Diane Tallarita at (610) 799-1594 or email dtallarita@lccc.edu before you register for this class.

Pennsylvania German Studies

PAG 10CD: Introduction to Pennsylvania German Studies
This course is an introduction to Pennsylvania German culture, its development, and the various ways it is interpreted and represented. Students will learn about the European origins of the Pennsylvania Germans, their reasons for migrating, and how Pennsylvania German culture was developed and transformed in the United States over the last 300 years. Students will also learn how that culture has been defined and redefined, represented and displayed, both by Pennsylvania Germans and others.

PAG 101: Introduction to Pennsylvania German Language I
This is the first of two, sequential three-credit language courses for beginning students of the Pennsylvania German language. These courses are designed to develop basic skills in comprehension, pronunciation, speaking, reading and writing. Course content stresses the practical use of the language and learning about Pennsylvania German cultural practices through learning the language. Students are encouraged to practice and use their skills with members of the surrounding community.

PAG 102: Introduction to Pennsylvania German Language II
This is the second of two, sequential three-credit language courses for beginning students of the Pennsylvania German language. These courses are designed to develop basic skills in comprehension, pronunciation, speaking, reading and writing. Course content stresses the practical use of the language and learning about Pennsylvania German cultural practices through learning the language. Students are encouraged to practice and use their skills with members of the surrounding community.

PAG 251: Pennsylvania German Literature in English and Translation
This is a survey course of Pennsylvania German literature broadly defined. Knowledge of Pennsylvania German is not required. This survey will examine the beginning of the Pennsylvania German literary tradition in the middle of the 19th century and its development throughout the 20th century and into the 21st century. The literature includes material in Pennsylvania German that is translated into English and English literature with Pennsylvania German themes and subjects.

PAG 276: The Pennsylvania German Landscape
This course examines the development and evolution of the rural Pennsylvania German landscape from 1682 through the present. Students completing this course shall engage in readings discussions, visit museums, conduct fieldwork, and engage in a hands on restoration project. Students will gain a broad understanding of the social history and visual culture of the Pennsylvania Germans as they study their architecture, rural way of life, decorative arts, and material culture.

PAG 301: Pennsylvania German Literature
This is a survey course of Pennsylvania German literature broadly defined. This survey will examine the development of a literary tradition in the beginning of the 19th century and its development throughout the 20th and into the 21st century. The literature includes material in Pennsylvania German and English literature with Pennsylvania German themes.
Prerequisites: PAG 10 and Permission of the Department Chair

PAG 360: Pennsylvania German Studies Abroad
Students are encouraged to pursue their studies in Pennsylvania German language and culture at universities and institutions in Germany, and elsewhere. The student must submit a plan of study before being approved and must present a paper or project at the completion of the project.

PAG 370: Readings in Pennsylvania German Life
Students preparing for advanced study in German Studies may undertake guided reading and/or research. Arrangements as to the program and supervising faculty must be completed prior to registration.
Prerequisites: PAG 10 and Permission of the Department Chair

PAG 379: Independent Study
Before registering the student is required to consult with the faculty member in the discipline to be studied who will supervise the independent study. May be repeated for credit for up to 6 credits.

PAG 390: Internship in Pennsylvania German Studies
This is a capstone course for students interested in Pennsylvania German Studies. Students review issues in Pennsylvania German Studies and then apply them to a practical and/or professional project. The course is developed for advanced students in Pennsylvania German Studies, but it may be taken by any student who has permission of instructor.

Philosophy

PHI 15CT: Critical Thinking
Critical thinking is the ability to determine systematically the degree to which a claim or assertion is warranted by purported evidence. This course presents explicitly the principles and standards involved in reasoning and logical persuasion as they apply to our lives, both privately and publicly.

PHI 20CT: Introduction to Logic
An introduction to both traditional and modern symbolic logic with emphasis on problem solving through the applications of rules of validity and truth table tests for validity.

PHI 30CT: Introduction to Philosophy
A course designed to introduce the student to philosophic thought and terminology. Topical survey of the main branches of philosophy; epistemology; metaphysics, value theory.

PHI 40CDCT: Introduction to Ethics
A study of the development of major ethical concepts and problems from the theories of the early Greeks to those of 20th Century philosophers.

PHI 60CDCT: Introduction to Religious Studies
This course introduces students to various theories of and approaches to religion in terms of the nature, origin, description, function, and language of religion. We will examine how religion is studied in the history of religion, phenomenology, sociology, psychology, and anthropology.

PHI 80CDCT: Business Ethics
An investigation of the logic and historical development of principal philosophical theories concerning business, and its moral consequences. Possible topics include the philosophical foundations of free-market, state and collectivist economies, and their applications to contemporary ethical problems such as truth in advertising, workers' rights and economic justice.

PHI 105CDWI: Medieval Philosophy
This course surveys Western medieval philosophy. It covers such figures as Augustine, Aquinas, and Ockham. Emphasis will be placed upon problems having historical as well as modern importance.

PHI 110WICD: Comparative Study of Religion
The course will involve an attempt to apprehend the essence of religious claims and to subject them to critical analysis. Emphasis will be placed on the nature, scope, adequacy and limitations of methods of investigation and evaluation. Specific traditions will be examined in an attempt to ascertain such things as their fundamental claims, what is presupposed by and what follows from such claims, the requirements for religious commitment, and the sanctions for their claims.

PHI 113WI: Environmental Philosophy
This course is an introduction to philosophical theories and ethical issues concerning humanity's relationship to the natural world. What responsibility do we have to care for the environment? What moral obligations, if any, do we have to other animals, plants, and ecosystems, and what is the basis for such obligations?

PHI 116CTWI: Ancient Philosophy
This course exams the major figures and problems of ancient Greek philosophers.

PHI 121CTWI: Modern Philosophy
This course exams the major problems and figures of philosophy in the modern period in which began the scientific revolution and the rise of the West. The course focuses on the rationalists and the empiricists.

PHI 125CDWI: Philosophical Aspects of Death and Dying
The course is concerned with such issues as the mind-body-soul distinction and how this affects our attitudes toward death. It also considers questions of life after death and the ethical issues which must be considered when dealing with death and the human event of dying

PHI 130CDWI: Asian Philosophy
Investigation of the philosophic tendencies of various branches of Eastern thought with major emphasis on theories of metaphysics, knowledge and ethics. Comparisons between Eastern and Western philosophic methods and conclusions will be made.

PHI 136WI: Kant to Hegel
This course will examine some of the major figures of late modern philosophy. Immanuel Kant, some of Kant's immediate critics (e.g. Fichte, Schelling, Maimon, and Jacobi); and the greatest of the German idealists, G.W.F. Hegel. There will also be a brief consideration of the "Hegelian aftermath" on both the Continent and in the English-speaking world.

PHI 140CTQL: Symbolic Logic
This course investigates the various types of modern symbolic logic, with special reference to deductive method and the concepts involved in formal axiomatic systems. Some time is given to the application of symbolic logic to critical thinking and formal models and to the philosophy of logic.

PHI 150CDWI: History of Scientific Ideas
Scientific ideas from their origins in Greek philosophical speculation to the complex character of modern scientific enterprise and the relations between philosophy and science through modern history.

PHI 160CTWI: Philosophy of Sport
This course takes a philosophical look at the nature of sport, sport and ethics, aesthetics and sport, and the epistemology of sport. Specific questions addressed include: What is the nature of sport? Is violence in sport cathartic or socially harmful? Does sport affect or merely reflect public mores and values? Should certain drugs be banned from sport? Do promoters of sporting events exploit minorities? Are athletes heroes?

PHI 170WICT: Philosophy of Religion
A philosophical examination of the major problems of religion such as the concept of human nature, the nature of religious knowledge and faith, the traditional arguments for God's existence, the problem of evil, and the nature and function of religious language.

PHI 202CTWI: HON: Two Philosophers Worth Knowing Well
This course provides an introduction to philosophy via concentrated study of the works of two major philosophers, whose work has had a great cultural influence and has strong, systematic interrelations. The particular philosophers studied will vary from semester to semester, with professors' and students' interests. Emphasis is upon philosophy as involving a continuous and perennial dialogue between great minds.

PHI 210WICT: Medical Ethics
This course is an introduction to the study of moral, legal, and conceptual problems in biomedical research, health care, and health policy. Topics include experimentation on human subjects, the physician-patient relationship, defining death, foregoing life-sustaining treatment, euthanasia, abortion, new reproductive technologies, human genetics, and the allocation of health care resources.

PHI 225CT: Metalogic
This course investigates philosophical issues in symbolic logic and other formal systems. Topics include: the metatheory of predicate logic and the structure of formal axiomatic systems; extended systems of logic including the modal and the temporal; set theories; abstraction; issues in the philosophy of mathematics. Prerequisites: PHI 140 Symbolic Logic or permission of the instructor.

PHI 230CTWI: Philosophy of History
An examination of various philosophic theories which deal with the description and correlation of historical events.

PHI 235CDWI: Topics in Moral Theory
A detailed examination of selected moral theories: These may include the Aristotelian, Kantian, utilitarian, intuitionist, feminist and naturalist.

PHI 240CDWI: Philosophy of the Social Sciences
An introduction to the scientific methods and techniques as they are applied to social sciences. Relations between the social sciences, the natural sciences and philosophy. Philosophic analysis of the various social sciences in terms of strengths, weaknesses, methods, models, and goals.

PHI 241CTWI: Philosophy of Mind
Philosophy of Mind is a major area of both historical and contemporary philosophy. This course surveys that area. It examines critically fundamental questions of mind and consciousness, such as the mind-body problem, free will, immortality, and artificial intelligence.

PHI 245CDWI: Human Love and Sexual Morality
This course addresses the perennial philosophical questions of what love is and what it means, and how we should behave sexually. It surveys classical, modern and contemporary philosophical writings on these metaphysical and ethical issues. It has two contemporary themes: the historical development of major philosophical traditions concerning love and sexuality, and the pressing contemporary ethical issues concerning sexual behavior.

PHI 249CDWI: Interpretations of the Quran
This course aims at studying major themes in interpretations of the Quran from classical to contemporary period. Variations and evolution in methods of interpretation will also be studied, particularly with a reference to recent developments in Western philosophical hermeneutics and epistemology.

PHI 260CTWI: Philosophy of Art
An investigation into major problems of art from a definition of art to the relation between aesthetic judgment and knowledge in general.

PHI 265WICD: Social and Political Philosophy
The study of one or more important concepts in social and political philosophy such as rights, revolution, law, freedom, justice, property, sovereignty, political obligation and the nature, range, and validation of judgments in the social and political domain. Emphasis may be on either a systematic treatment of problems or on an historical development of theories.

PHI 270CDWI: Interpretation of Religious Texts: Theories and Methods
In this course we will study the science and art of interpretation. Emphasis will be given to biblical, theological, and philosophical interpretations, but the methodologies discussed will assist students in their interpretation of any written or oral works. As it relates to interpretation, we will also discuss logic, and we will take time exercising our interpretation skills by discussing various biblical and theological texts. The course will also examine both the influence of contemporary philosophical theories of interpretation upon the interpretation of religious texts, as well as some Marxist, feminist, deconstructionist, and pragmatist criticism of such theories of interpretation.

PHI 280CTWI: American Philosophy
An examination of the development of philosophy in America from the Colonial period to the present, with special emphasis on pragmatism.

PHI 310CTWI: Theory of Knowledge
A study of the nature and sources of knowledge, including an investigation of theories of truth and meaning. Considers the construction of theories of knowledge based on sense perception down to modern theories based on the analysis of language. Such topics as faith, certainty, probability and skepticism will also be considered.

PHI 330CTWI: Philosophy of Science
The nature of scientific theory, explanation, method and assumptions. The implications of modern science for society and philosophy, and some of the major philosophical issues in the sciences.

PHI 345WICT: Metaphysics
An analysis of basic metaphysical concepts and problems such as substance, causation, nature of the individual, the categories of being. The importance of method to the philosophic inquiry will be examined.

PHI 350: Selected Topics in Philosophy
Extensive readings, critical discussions, and papers on any one of the major philosophers, philosophical schools, or philosophical problems. Selections will vary, depending on the needs and interests of eligible students. Independent research will be emphasized. The course may be taken for credit more than once by permission of the Department Chairperson.

PHI 351: Selected Topics in Philosophy
Extensive readings, critical discussions, and papers on any one of the major philosophers, philosophical schools, or philosophical problems. Selections will vary, depending on the needs and interests of eligible students. Independent research will be emphasized. The course may be taken for credit more than once by permission of the Department Chairperson.

PHI 352: Selected Topics in Philosophy
Extensive readings, critical discussions, and papers on any one of the major philosophers, philosophical schools, or philosophical problems. Selections will vary, depending on the needs and interests of eligible students. Independent research will be emphasized. The course may be taken for credit more than once by permission of the Department Chairperson.

PHI 353: Selected Topics in Philosophy
Extensive readings, critical discussions, and papers on any one of the major philosophers, philosophical schools, or philosophical problems. Selections will vary, depending on the needs and interests of eligible students. Independent research will be emphasized. The course may be taken for credit more than once by permission of the Department Chairperson.

PHI 354: Selected Topics in Philosophy
Extensive readings, critical discussions, and papers on any one of the major philosophers, philosophical schools, or philosophical problems. Selections will vary, depending on the needs and interests of eligible students. Independent research will be emphasized. The course may be taken for credit more than once by permission of the Department Chairperson.

PHI 355CTWI: Existentialism and Phenomenology
A study of such existential concepts as dread, despair, anxiety, absurdity, nothingness, and authenticity and study of phenomenological concepts such as perception, the nature of human emotions, space and time, intersubjectivity, and value. Emphasis may be placed on either a systematic treatment of problems or on a historical development of theories.

PHI 375CTWI: Philosophy of Language
A study of logical atomism, Viennese positivism and contemporary British and American analytic philosophy. This course is intended to give the student a historical perspective of this twentieth century philosophic trend as well as to bring him abreast of current discussion in various phases of analysis.

PHI 379: Independent Study
Before registering the student is required to consult with the faculty member in the area to be studied who will supervise the independent study. May be repeated for credit.

PHI 380CTWI: Senior Seminar in Philosophy
This course consists of readings and discussions in the area of the individual student's interest in philosophy. Required of all Liberal Arts students majoring in philosophy.

PHI 381CTWI: Senior Seminar in Philosophy and Religion
This course consists of readings and discussions in the area of the individual student's interest in philosophy and religion. Required of all Liberal Arts students majoring in philosophy/religious studies track. Prerequisites: Senior standing or permission of the department.

PHI 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

PHI 470: Selected Topics in Philosophy
Topics in Philosophy that deal with a specific problem, area or philosopher will be selected for advanced study in depth.

Physics

PHY 14: Physics of Superheroes
The course is a one-semester general education physics course that uses the concepts of physics to look at super heroes in comic books and in movies. Physics is the study of how our universe works; these same concepts can also be applied to the fantastical universe of comic book superheroes. Students will learn about various concepts in physics (matter, energy, and force). We will examine gravity, electricity, magnetism, optics, relativity, and quantum physics and see how they apply to the universe of superheroes. Comic books apply actual physics that range from the Kryptonian world of Superman to the superhuman speed of Flash here on Earth. We will explore these fundamental principles of physics and use them to separate fact from fiction in the world of your favorite comic book characters. This course does not count toward the Physics major or minor.

PHY 20: Introduction to Physics
This course is an introduction to the principles of physics including mechanics, thermal physics, wave motion, electricity and magnetism, optics, atomic and nuclear physics. The traditional topics will be related to contemporary problems. This is a laboratory course intended for the general education of non-science majors. This course does not satisfy major, concomitant or specialization requirements for Secondary Education and/or Liberal Arts Science majors.

PHY 30: Environmental Physics and Chemistry
A study of some fundamental physical and chemical principles and their application to a few of the environmental problems facing our society today, with emphasis on the production and use of energy. A laboratory course intended for the general education of non-science majors. This course does not satisfy major, concomitant or specialization requirements for Secondary Education Science and/or Liberal Arts Science Majors.

PHY 35: Physics Guide to Life
This general education course examines the central concepts of physics by correlating them with patterns of life, human behavior and society. The course is ideas-driven, with no math beyond elementary arithmetic and geometry. A comprehensive picture of physics is conveyed, covering classical physics, quantum mechanics, relativity, elementary particles and statistical mechanics. The course will use analogies from common life experiences to build intuition about physical laws. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts and Science majors or count toward major GPA for Physics majors.

PHY 38: Intro To Electronics
This course provides a basic introduction to the subject of electronics. Topics include DC and AC circuits, band theory of solids, semiconductors diodes and transistors, filter circuits, rectifier circuits, voltage doubler circuits, and amplifier circuits. Laboratory exercises to familiarize the student with the operation and use of meters, oscilloscopes, and the above mentioned circuits are performed. This course is not open to Physics majors.

PHY 40: General Physics I
This is the first part of the algebra-based (non-calculus) introductory course sequence in physics. It will cover mechanics, vibrations and waves, and thermal physics. This course does not meet the program requirements of physics and chemistry majors.
Prerequisites: MAT 106 or MAT 115 or MAT 181

PHY 42: General Physics II
This is the second part of the algebra-based (non-calculus) introductory course sequence in physics. It will cover electricity and magnetism, and optics. This course does not meet the program requirements of physics and chemistry majors.
Prerequisites: PHY 40

PHY 80: Problem-Solving Techniques in Applied Science
This is a support course for Physical Science majors that will provide an overview of mathematical problem solving skills needed to succeed in physics and other physical science courses by discussing the physical applications of algebra, trigonometry, and differential and integral calculus. This course does not satisfy major, minor, or specialization requirements for Secondary Education and/or Liberal Arts Science Majors. It also does not replace the MAT 181 requirement in Physics and Chemistry major programs.
Prerequisites: A score of 61 or greater on the ALEKS exam.

PHY 100: Physics I
This is the first part of the calculus-based introductory course sequence in physics with lab. This course covers mechanics, vibrations and waves, and thermal physics, and is designed for students in physics, chemistry and related fields.
Prerequisites: MAT 171 or 181 (Successful completion of MAT 171 (MAT 181) or concurrent enrollment).

PHY 102: Physics II
This is the second part of the calculus-based introductory course sequence in physics with lab. This course covers electronics and magnetism, and optics, and is designed for students in physics, chemistry and related fields.
Prerequisites: PHY 100 & MAT 181

PHY 212: Modern Physics I
This course offers an introduction to the theory of relativity and the ideas of early quantum physics. Topics include special relativity, blackbody radiation, photoelectric effect, Compton effect, x-rays, structure of the atom, emission/absorption spectra and the Bohr Model, wave-particle duality, and wave packets.
Prerequisites: PHY 102

PHY 214: Modern Physics II
This course provides a continuation of the discussion of early quantum physics into quantum mechanics and an introduction to atomic physics, nuclear physics and modern elementary particle physics.
Prerequisites: PHY 212 & MAT 182

PHY 220WI: Electronics
This course analog electronics – design and implementation. It includes the characteristics of passive components, solid-state diodes, transistors, and basic integrated circuits. DC and AC analysis of transistor and op-amp circuits leads to a survey of basic amplifier designs. Extensive lab work provides experience building and testing circuits.
Prerequisites: PHY 042-043 or PHY 102-103

PHY 230: Optics
This course provides a survey of optical science and its applications. Emphasis is given to geometrical and physical optics. Geometrical optics considers the propagation of light as rays through simple optical systems (mirrors, lenses, and prisms) leading to discussions if imaging, aberrations, and optical instruments. Physical optics studies include the propagation of light as waves by exploring the theory and applications of interference, diffraction, and polarization effects. Special topics such as quantum optics, integrated optics, Fourier optics, and/or applications in medicine, display technologies, and optical communications are also included.
Prerequisites: PHY 245 & MAT182

PHY 245: Mathematical Physics I
This is a sophomore level course on mathematical methods in physics. Many branches of mathematics that have direct applications in physics are discussed with an emphasis on developing problem solving skills. Topics include complex numbers, linear algebra and vector spaces, vector calculus, Fourier series, and ordinary differential equations.
Prerequisites: PHY 102 & MAT 181 or permission of the instructor

PHY 290: Introduction To Nanotechnology
Nanotechnology is the study of fabricating and manipulating matter at the scale of individual to a few atoms and molecules with typical structures ranging from 1 to 100 nanometers. With relentless miniaturization, nanotechnology is the inevitable technology of the future. This course will present the fundamental paradigm shifts implicit in taking conventional technology to the nanoscale, with focus on the dominant role of quantum mechanics and discrete structure of matter and radiation. With that background as a basis, the course will continue on to a comprehensive survey of the specific applications-based segments of nanotechnology, including novel nano-materials, nanoscale circuits and devices, lower dimensional structures, and molecular devices.
Prerequisites: PHY 214 or by permission of the instructor

PHY 310: Physics of Sound
The mathematical theory and basic physical principles of vibrations and sound. Production, propagation, and detection of sound waves, vibrations or sounding bodies, and acoustic measurement.
Prerequisites: PHY 100/101, PHY 102/103 and MAT 273 or MAT 274

PHY 312CT: Classical Mechanics I
This course offers a comprehensive study of kinematics and dynamics of particles in a Newtonian mechanical framework. Central forces and orbits, scattering, and Lagrangian and Hamiltonian mechanics are also discussed in great detail.
Prerequisites: PHY 245 & MAT182

PHY 314: Classical Mechanics II
This course is a continuation of the study of Newtonian mechanics. Topics covered include non-inertial frames, systems of particles, rigid bodies, oscillating systems and normal modes.
Prerequisites: PHY 312 and MAT 283

PHY 315WI: Advanced Physics Laboratory
This is an advanced level undergraduate laboratory physics course that features experiments in Mechanics, Thermodynamics, Electricity and Magnetism, and Modern Physics. The experiments are closely related to material covered in other upper-level physics courses. Many experiments require computer simulations or computer-based data acquisition processes.
Prerequisites: PHY 212

PHY 316QL: Electromagnetism I
This course covers the fundamental principles of classical theory of electricity and magnetism, and the extension of these principles to Maxwell's Equations. Topics include electrostatics, boundary value problems, magnetostatics, electric and magnetic fields in matter, and time-varying fields.
Prerequisites: PHY 245 & MAT 283

PHY 318: Electromagnetism II
This course is a continuation of the study of classical electricity and magnetism. Topics include electromagnetic waves, absorption and dispersion, wave, wave guides, gauge transformations, and radiation.
Prerequisites: PHY 316

PHY 319: Advanced Physics Laboratory II
This is an advanced level laboratory physics course in Electricity, Magnetism and Modern Physics. Advanced experiments from the areas of Electricity, Magnetism, Optics and Atomic, Nuclear and Solid State Physics are performed. Topics in error and data analysis are included.
Prerequisites: PHY 100 and PHY 316 and any CSC course above the 100 level or Permission of the Instructor.

PHY 327: Thermodynamics and Statistical Mechanics
This first part of this course will systematically cover classical thermodynamics with focus on four laws of thermodynamics and their applications and specific attention to heat engines. The second part of the course will provide an introduction to statistical mechanics, leading up to a derivation of the macroscopic results of thermodynamics from the underlying microscopic theory.
Prerequisites: PHY 245 & MAT 283

PHY 340: Computational Physics
This course covers the essential numerical methods used in physics and engineering, based on writing and debugging computer programs to implement those methods. Students will acquire the skills and the tools to analyze complex physics and engineering problems numerically, encode them in appropriate software, to be complied and evaluated on computers to arrive at precise solutions and to present those solutions in graphical format if applicable. Course work will involve programming in Mathematica, Matlab, Fortran and /or C/C++ as appropriate.
Prerequisites: PHY 245 or permission of the instructor

PHY 342: Astrophysics
This course explores the physics of astronomical phenomena, from processes within our Solar System to the creation and evolution of stars, galaxies, and the Universe. The course is designed for physics majors and other science majors with strong interest in astronomy, physics, and mathematics. This course takes a mathematically rigorous approach of applying basic principles of physics to astronomy, and therefore also provides a foundation for more advanced (undergraduate and graduate level) coursework in astrophysics.
Prerequisites: PHY 212 and MAT 182

PHY 345: Mathematical Physics II
This is an upper-level course on mathematical methods in physics. Topics include calculus variation, special functions, complex functions and residue theorem, partial differential equations, and probability statistics.
Prerequisites: PHY 245 & MAT 283

PHY 350: Instrumentation in Physics
This course covers the instrumentation commonly used to perform measurements of physical quantities. The underlying physics of different sensors is described, and then these sensors are used in experiments. Interface circuits and detection techniques are also explored Extensive laboratory work is involved.
Prerequisites: PHY 220

PHY 360: Quantum Mechanics I
This course explores the fundamental principles of quantum mechanics. Topics include the application of Schrodinger equation in one-dimensional systems, Hilbert space formalism, the hydrogen atom, angular momentum algebra, and philosophical implications of quantum mechanics.
Prerequisites: PHY 214, PHY 245 & MAT 283

PHY 361: Quantum Mechanics II
This course is the second part of the study of quantum mechanics. Topics include time-independent perturbation theory, adiabatic approximation, and scattering.
Prerequisites: PHY 360

PHY 362: Solid State Physics
This course is an introduction to the subject of solid state physics. Topics include crystal structure, crystal binding, lattice vibrations, thermal and electrical properties of solids, the Fermi gas, band theory of solids, conductors and semiconductors, superconductivity, magnetic properties, and crystal defects.
Prerequisites: PHY 360

PHY 364: Nuclear Physics
This course is an introduction to the subject of nuclear physics. Topics include nuclear structure and models, nuclear transitions and decay, nuclear reactions, radiation detection, natural radioactivity and elementary particles.
Prerequisites: PHY 360

PHY 370: Research in Physics
This course involves individual research on a specific problem in physics or a related field under the advice of a faculty member. Students must discuss research opportunities with any faculty member whose areas of expertise interest them. This course can be repeated for credit.
Prerequisites: Requires instructor consent.

PHY 372: Selected Topics in Physics
Topics in the field of physics that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
The instructor must approve a 1-3 semester hours as required.

PHY 373: Selected Topics in Physics
Topics in the field of physics that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated. The instructor must approve a 1-3 semester hours as required.

PHY 374: Selected Topics in Physics
Topics in the field of physics that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated. The instructor must approve a 1-3 semester hours as required.

PHY 375: Selected Topics in Physics
Topics in the field of physics that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated. The instructor must approve a 1-3 semester hours as required.

PHY 380CMWI: Senior Seminar in Physics
This course consists of readings and discussions in the area of the individual student's interest in physics in preparation for the Comprehensive Examination in Physics. Required of all Liberal Arts students majoring in Physics.

PHY 390: Internship in Physics
Supervised, practical work experience in laboratory and/or field situations. Students interested in developing an individualized vocationally oriented program which may assist in future career options may structure a work-study experience with the cooperating agency or organization. A proposal outlining the work-study experience should be submitted to the student's supervising faculty member and the department chairperson. Clock hours will be determined by the cooperating agency or organization. Semester hour credit will be based upon the proposal and scheduled clock hours, but a maximum of 4 credits may be applied toward Arts and Sciences electives. Additional credit cannot be applied to the 128 credit hour graduation requirements.
Prerequisites: PHY390-Junior Standing & approval of the department head

PHY 395: Honors Independent Study/Thesis
This course involves research on a specific problem in physics or a related field under the advice of a faculty member. Students must discuss research opportunities with any faculty members whose area of expertise interests them.

PHY 398: Honors Supplementary Research

PHY 465: Advanced Physics Laboratory II
This is an advanced level laboratory physics course in electricity, magnetism and modern physics. Advanced experiments from the areas of electricity, magnetism, optics and atomic, nuclear and solid state physics are performed. Topics in error and data analysis are included. This course will cover topics at a more in-depth level than PHY 319. A student may not enroll in this course if he/she has successfully completed PHY 319.
Prerequisites: PHY 212 and PHY 316

PHY 470: Quantum Mechanics
This course is an introduction to the subject of quantum physics. Topics include wave-particle duality, state functions and their usefulness, the Schrodinger equation, uncertainty principle, expectation values of observables and applications of quantum physics to one dimensional systems. The hydrogen atom is also considered. This course will cover topics at a more in-depth level than PHY 360. A student may not enroll in this course if he/she has successfully completed PHY 360.
Prerequisites: PHY 312

PHY 472: Solid State Physics
This course is an introduction to the subject of solid state physics. Topics include crystal structure, crystal binding, lattice vibrations, thermal and electrical properties of solids, the Fermi gas, band theory of solids, conductors and semiconductors, superconductivity, magnetic properties, and crystal defects. This course will cover topics at a more in-depth level than PHY 362. A student may not enroll in this course if he/she has successfully completed PHY 362.
Prerequisites: PHY 360 OR PHY 470

PHY 474: Nuclear Physics
This course is an introduction to the subject of nuclear physics. Topics include nuclear structure and models, nuclear transitions and decay, nuclear reactions, radiation detection, natural radioactivity and elementary particles. This course will cover topics at a more in-depth level than PHY 364. A student may not enroll in this course if he/she has successfully completed PHY 364.
Prerequisites: PHY 360 OR PHY 470

Political Science

POL 10: Introduction to American Politics
The historical background and general principles of American federal government. The congress, the presidency, administrative organization, civil service, the courts, and political processes are described and analyzed.

POL 20CD: Introduction to International Relations
A study of the diplomatic, organizational, military, and legal relationships among states. Designed to provide a conceptual framework leading to a better understanding of international developments, the course considers the nation-state system, sovereignty, nationalism, the sources of national power, the foreign policy making process, and conflict and conflict resolution.

POL 30CD: Introduction to World Politics
A comparative examination of the cultural environments, decision-making processes, leadership patterns, public policies and political development tendencies of western and non-western societies. Problems of methodology are reviewed.

POL 40: Introduction to Political Theory
This course is a survey of classical Western political thought. Works covered in this course are crucial for an understanding of the development of political thought in Western civilization, political culture, and government. This course critically examines the major political philosophers from ancient Greece through the Middle Ages. It focuses on issues such as nature, justice, the good society, and the role of the state.

POL 50: State and Local Government
A general consideration of federal, state, and interstate relations followed by a more detailed treatment of the state-local government relation in the United States. Particular emphasis is placed on the citizen's role and representation in grassroots government. Possibilities for improvement of state and local government are explored.

POL 101WI: Social Research Design and Writing
Social Research Design and Writing introduces students to the formal process of social scientific inquiry. As in any scientific discipline, knowledge in political science is advanced through the careful application of the scientific method, emphasizing the development of theoretical explanations, derivation of testable hypotheses, and creation and application of a research design used to empirically evaluate the theoretical claims. This course focuses on the core elements of the scientific research process, including the inception of the research question, preparing an academic literature review, generating theoretical claims, deriving testable hypothesis, and designing an empirical research design.

POL 115: Public Administration
The basic principles of administration in the public sector are presented and analyzed. Surveys the historical development of contemporary public administration and examines the process, both formal and informal, by which public policy is implemented.

POL 132CD: Politics Europe
A study of the governmental systems and politics of Western European nations. Special attention is given to Great Britain, France and Germany. Contrasts and comparisons are drawn among these governments and with other governments, including the United States.

POL 133CD: The Politics of Cuba and the Caribbean
The Politics of Cuba and the Caribbean aims to use the analytical tools of comparative politics to impart a comprehensive understanding of Cuban politics, society, and culture, within the broader context of the unique challenges facing the countries of the Caribbean and their diasporas in the United States. Cuba is a country that for many remains shrouded in mystery and intrigue. This course will challenge the dominant perceptions about Cuba that have been shaped by the American news media and popular films. Using articles and texts from a variety of political perspectives (including sources from within Cuba) will bolster student debate on the relative significance of different historical trends and developments as well as controversial current events. While highlighting the intricacies of Cuba's historical and political development, this course will also place Cuba in a comparative context with the experiences of other countries in the Caribbean to examine a variety of themes central to study of the comparative politics. Prerequisites: POL 030 Introduction to Comparative Politics

POL 134: Politics of the Middle East
A comparative analysis of the political systems of an area that encompasses seventeen countries, including 13 Arab states, two Persian-dominated states (Iran and Afghanistan), plus Turkey and Israel. Special attention is paid to the fragmented Islamic cultural traditions of the region, the impact of Western Colonialism, the monarchical-socialist dichotomy, the special problems of Israel and the Palestinian Arabs, as well as the politics of oil.

POL 135: Urban Politics
An examination of the place of municipalities in the American political system. The relationship of municipalities to the state and federal government. Forms of municipal government will be examined as well as proposed forms of metropolitan government. Participation in municipalities will be considered along with a discussion of individual participants, particularly majors, managers, and councilmen. Current municipal problems and future prospects for municipalities will be discussed.

POL 140CTWI: Law and Society
An introductory course that surveys selective legal and socio-political views on the place of the legal system in society. Attention will be given to contemporary issues which raise significant or troubling questions for the main theoretical themes, such as the historical basis for the principles of the "rule of law" or an "autonomous legal system" and the social conditions for their existence or nullification.

POL 141: Machiavelli to Marx
A critical examination of political theory as it developed in the West since Machiavelli. Emphasis will be on the development of liberalism, democracy, socialism, communism and fascism. Contemporary trends will be considered.

POL 181: Criminal Law
This course is an in-depth analysis of criminal law in the United States. It focuses on the nature and purposes of criminal law, the sources of classifications and limitations on criminal law, the elements of criminal liability, defenses to criminal liability, parties to crime and the specific crimes against persons, property and public order and morals. Attention will be given to the model penal code and the criminal law of Pennsylvania.
Prerequisites: Criminal Justice, Political Science, & Public Admin majors/minors

POL 182: Criminal Procedure
An extensive analysis of criminal procedure in the United States. The course will focus on decisions of the U.S. Supreme Court dealing with criminal procedure principles and doctrines. This course is designed as a follow-up course to Criminal Law.
Prerequisites: Criminal Justice, Political Science, & Public Admin majors/minors

POL 200QL: Statistics for the Social and Behavioral Sciences
The purpose of this course is to introduce the student to the concepts of descriptive and inferential statistics. The results of any research should be summarized by appropriate descriptive statistics such as central tendency, variability, and the shape of the distribution. Relationships will be studied using correlation, regression, and chi-square. Research which involves sampling will be analyzed by appropriate inferential statistics such as t-tests and ANOVA. Sampling error, hypothesis testing, significance levels, Type I Error, Type II Error, and power will be discussed. In addition, the student will be introduced to SPSS for Windows, Microsoft Excel, and/or other appropriate software for performing descriptive and inferential statistical procedures presented throughout the course. No students (Sociology or non-Sociology majors) may receive credit for both POL/PSY/SOC 200 and SOC 201 due to substantial overlap.
Prerequisites: PSY 011 (Psychology majors need a 'C' or better) and MAT 017 or higher (except 040 Geometry, and 045 Women in Mathematics). Students that have passed SOC 201 with a grade or "D" or better may not take this course.

POL 201CPQL: Empirical Political Analysis
An introduction to political analysis based on systematic social science methods. Discussion of differing approaches to Political Science but concentration on empirical analysis. Topics include the nature of social science, measurement, statistical analysis and hypothesis testing. The course is intended primarily for political science major students and is not a proper choice for a student seeking to survey the subject matter of political science.
Prerequisites: POL 101

POL 211VL: Public Opinion and Propaganda
An examination of various aspects of public opinion and political influence, including: definitions of public opinion; an overview of political socialization; analysis of the structure of public opinion and propaganda in modern societies; evaluation of the ideals and realities of popular government; and an introduction to methods of public opinion measurement.

POL 213: Court and Politics
An analytic study of the most significant facets of the entire American legal system. Basic legal theories, basic structure of federal and state court systems. Judicial reasoning process, the system of precedents and the most basic and important substantive areas of law will be considered.

POL 214: American Political Parties
The first part of the course will examine the development of party systems from a comparative perspective. The remainder of the course will examine the development and functioning of the American party system. Such topics as interest representation, recruitment, campaigning, party organization, and electoral behavior will be examined. The role of political parties in a democracy and the concept of party responsibility will also be considered.

POL 222: International Political Economy
This course introduces students to the key concepts, theories, and substantive issues of international political economy. Special attention is paid to the historical development of the modern international economic system, trade, monetary and finance policies, development, and globalization. The overall emphasis of the course is on the politics of international economic relations. In other words, who wins, who loses, and why? Furthermore, what principles are at stake when policy-makers consider and make various choices? This course may be used as a General Education elective.

POL 224: Politics of Development
Politics of Development examines political, economic, and social development and underdevelopment in the plethora of countries that comprise the Developing World. Utilizing a comparative approach, the course identifies the common challenges faced by developing countries and the strategies adopted to address them. Major topics considered in the course include the evolution of markets and determinants of economic growth; nation-building and political developments (e.g., democratization); the role of developed countries and international organizations in the developing world; and human rights and globalization.

POL 225CT: Planning and Decision-Making Theory
An examination of modern techniques of rational decision-making such as cost-benefit analysis, with special attention given to how these techniques are applied to environmental problems. Problems in planning and the quantification of values are considered.

POL 227WI: The Causes of War
The Causes of War examines nation-states' efforts to maintain their borders and protect their government and citizenry from inter and intra-state conflict. In doing so, the course will place a special interest on the theoretical and methodological concepts that are fundamental to studying such issues as deterrence, compellence, and international engagement. Additionally, attention is paid to the concept of security in a post Cold War World and how nation-states are attempting to meet the evolving economic, ecological, and terrorist challenges. The course may be used as a General Education elective.

POL 228CTWI: American Foreign Policy
A study of the American foreign-policy-making process with a focus upon the institutions and functions of America's foreign relations. Special emphasis is given to the period since 1945. Case studies are utilized.

POL 231CDWI: Social Movement and Revolutions
Social Movement and Revolutions analyzes the causes, objectives, strategies, and consequences of major social movements and revolutions throughout world history. Revolutions are among the most hotly-debated and far-reaching political events in terms of their consequences for human development, ideological viability, and the nature of world political systems. This course will offer students a broad theoretical framework for understanding the place of social movements, cycles of contention, and revolutions within the more general category of contentious politics. The course will analyze both successful and failed cases of social contentious politics. The course will analyze both successful and failed cases of social movements. Additionally, the challenges for both social movement formation and success in the 21st century will be addressed in detail.
Prerequisites: POL 030 Introduction to Comparative Politics

POL 242: Democratic Theory
This course acquaints students with both classical and recent democratic theory and the issues that surround democratic governance. Many argue that democracy in the only legitimate form of government. This is evidenced by the proliferation of representative governments throughout the world during the 20th century. As it stands today, some form of democratic government makes up the majority of regime types in the world. This course begins with the meaning of democracy and then examines the obstacles to democratic governance, such as: challenges of capitalism, protection of minority rights, issues on representation, lack of legitimacy, and political culture. By the end of this course, students will be able to describe and summarize the concepts, theoretical debates, and limitations to democracy, clearly articulate and defend a conceptual and institutional understanding of democracy, and coherently present the limitations and issues of each theoretical model.

POL 311: Constitutional Law I: Institutions and Functions
A study of the development of the Constitution through the interpretations of the Supreme Court. The course emphasizes the institutional aspects of the federal system and also economic regulation within the federal system.

POL 312WICT: Constitutional Law II: Civil Liberties
An analytical study of the U.S. Supreme Court cases interpreting clauses of the Constitution guaranteeing the rights of individuals: the meaning of the Bill of Rights and the Fourteenth Amendment. Attention is focused on recent decisions and their impact on the governmental system and society.

POL 313: The American Presidency
A study of the development, dynamics, politics, and impact of the American Presidency.

POL 314: Environmental Policy & Law
Designed to introduce students to the legal, administrative and political dimensions that pervade national environmental disputes, laws, and regulations. The course will employ both a legal and administrative process orientation. Through the use of legal case material and legal, political, statutory and regulatory analysis, students are taught about the different ways statutes and regulations attempt to address environmental problems, including the strengths and weaknesses of each generic statutory and regulatory type. No prerequisites, although it is preferred Introduction to ENV 100 Environmental Science or POL 010 American Government be taken first.

POL 316: Politics, Sex, and Gender
An extensive examination of the constitutional and legal bases of sex-based discrimination in the United States. The course will focus specifically on statutory law and judicial decisions relating to discrimination of both men and women.

POL 321: International Law and Organization
An analytical study of the legal framework, principles, and practices of the nation-state includes the forms and functions of international organizations with special reference to the role of the United Nations in contemporary international politics with a focus on selected legal problems.

POL 322: International Relations Theory
International Relations Theory examines the competing theoretical models that explain the fundamental issues in world politics. Utilizing an applied theoretical approach, the course examines and deconstructs the dominant international relations theories and tests their explanatory power with both historical and modern issues. Major theories considered in this course are realism, liberalism, constructivism, critical theories (e.g. feminist and Marxist approaches), and decision-making theories. Inter alia, topics considered are alliance formation, strategic choice and conflict, international institutions and their role in facilitating cooperation and trade, arms control, globalization, and morality.

POL 325: The American Legislative Process: National and State
A study of legislative institutions, process and behavior at the national and state legislative levels. Particular emphasis is given to a description and analysis of the vast quantity of legal, historical, normative and behavioral literature available in this field. Legislative processes are analyzed with emphasis on their relation to the larger environment and inclusive political systems.

POL 332CDWI: The Politics of Latin America
An examination of the major forces which determine the politics of the Latin American states. A problem-centered approach is emphasized, designed to highlight the most important contemporary issues confronting these countries in both their domestic and external relations.

POL 341: American Political Thought
A critical examination of the essence and development of the American political culture. Contemporary trends in American political thought will be considered.

POL 346: Public Budgeting and Fiscal Management
This course will address all major facets of public budgeting theory including budgetary formats, governmental budgetary decision processes at the federal, state, and local levels, bargaining and politics in budget decision making, governmental tax policies, and strategies for fiscal management. In addition, the course will focus upon practical application of theory through the use of real-life case studies. A special section on grant writing and non-profit fiscal management will highlight the needs of non-profit organizational management.

POL 347CM: Human Resource Management in the Public Sector
This course will cover both the general theory of human resource management and the practical applications of this theory in the public sector. Students will be exposed to various aspects of human resource management including job analysis, worker motivation and management, labor/management relations and collective bargaining. Public sector issues such as equal worth, sexual harassment, ADA and equal employment opportunity will also be addressed. In particular, the course will highlight the constitutional, legal and political constraints and requirements which are unique to public sector management.

POL 370: Independent Study in Political Science
Independent reading or research under the supervision of a member of the department in an area of political science of special interest to the student. A total of 6 semester hours may be earned in independent study, with no more than 3 semester hours taken in any one semester.
Prerequisites: Twelve credits of Political Science coursework

POL 371: Selected Topics in Political Science
An analytic study of a selected topic in Political Science. Topics will vary depending upon interests of student and faculty, or timeliness of the subject matter. The course may be repeated for credit twice, provided that the same topic is not repeated.

POL 380: Senior Seminar in Political Science
Readings and discussions in the area of the individual student's interest. The course serves as preparation for the comprehensive examination in Political Science. Required of all Liberal Arts students concentrating in Political Science.

POL 381CMWI: Senior Seminar in Public Administration
Readings and discussions on the subject of the field of public administration and in the area of the individual student's interest. The seminar concentrates on the history and nature of public administration. The course serves as preparation for the comprehensive examination in public administration. Required of all Liberal Arts students majoring in Public Administration.
Prerequisites: Senior standing, Public Administration major.

POL 390: Federal, State, and/or Local Government Internship
A limited number of selected students participate in a study and training program on location in federal, state, or local government offices under faculty supervision for a full semester, full time. Consultation with the Political Science Department is required prior to registration for this program. Open only to Political Science or Public Administration majors.

POL 391: The Harrisburg Internship Semester (THIS): Internship
THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

POL 392: The Harrisburg Internship Semester (THIS): Research
The Harrisburg Internship Semester provides a comprehensive academic approach to the internship experience. THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. In addition, students are required to complete a thesis-length research project. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

POL 393: The Harrisburg Internship Semester (THIS): Seminar
The Harrisburg Internship Semester provides a comprehensive academic approach to the internship experience. THIS Internship is a program sponsored by PASSHE and is designed to give the student firsthand, practical experience and the opportunity to work alongside officials at all levels of state government. In addition, students are required to participate in rigorous weekly public policy seminar. THIS is open to qualified students from any major, who have a 3.0 GPA and have earned 45 credits. A faculty Campus Coordinator selects students from the university to serve as THIS interns.

POL 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

POL 398: Honors Supplementary Research

POL 425: Public Policy Making
The study of public policy within an analytical framework. Emphasis will be given to: conceptual frameworks and approaches to the study of public policy; the role of the environment in the policy process; the effect of political structures and institutions on public policy; and the citizen in the policy process.
Prerequisites: Undergraduate - POL 010 American Government.

POL 441: Managerial Leadership and Ethics
This course gives graduate public administration students a fundamental and practical understanding of effective administrative leadership. Various leadership approaches are examined, paying particular attention to the public sector. With leadership comes ethical responsibility. How does one attain organizational objectives while accommodating for politics, ethics, and multiple agendas? How does a public administrator balance conflicting interest and the public good? In what way is integrity the means to effective leadership?

POL 465: Administrative Law
An analytic study of the law dealing with the power, procedures, and judicial review of the administrative agencies of government; emphasis will be placed on federal agencies and procedures. Graduate course open to juniors and seniors with 2.90 Q.P.A. and Departmental permission.

Professional Studies

PRO 100WI: Introduction to Business for the Non-business Major
This course is an introductory course designed to familiarize students with the nature and purpose of business enterprises. Topics explored include: the environment of business organizations and their role in society and the economy, forms of ownership, the management process, managing human resources, developing marketing plans, and managing financial resources. This course cannot be used by business majors to fulfill business course requirements.

PRO 110: Marketing for the Non-business Professional
Fundamentals of Exchange is an introductory course which exposes students to creating customer value and facilitating the exchange between seller and buyer. The importance of value in the customer-supplier exchange will be emphasized. The focus of the course is creating satisfaction of customers' needs through product/service planning and development, distribution selection, promotional decisions and price determination. Students will have the opportunity to explore these topics in a variety of different unique industries. This course cannot be used by business majors to fulfill business course requirements.

PRO 120QL: Accounting Survey for Professional Studies
This course is designed to provide a basic understanding of Accounting and other related financial issues that may be encountered by students entering the business world. Students will be exposed to a variety of Accounting topics, some financial, some managerial. Students will be expected to demonstrate how financial information is gathered, reported and used in the decision making process. This course cannot be used by business majors to fulfill business course requirements.

PRO 185CT: Fundamentals of Personal Finance
Fundamentals of Personal Finance is an introductory course that explores financial planning techniques to manage personal financial plans. Developing personal financial statements and plans will be explored. Other topics will include: considerations of managing basic assets such as cash and savings, automobile and housing decisions, managing credit and investments, and retirement planning. This course cannot be used by business majors to fulfill major course requirements.

PRO 210: Introduction to Entrepreneurship
This course is designed for non-business majors who want to start their own business. The course will focus on how to start and operate a small business. A primary focus of the course will be the development of a business plan. The business plan will focus on the key parts of planning and operating a business such as management, marketing, creating financial statements and determining financial requirements.

PRO 220: Wealth Creation for the New Entrepreneur
This course is designed for students in any major who wish to begin and develop a new business enterprise in their disciplinary field or in a different field of endeavor. The course will focus on topics of taxation for the new business, as well as taxation for the growing business. Also, topics will be covered in the areas of profit sharing, retirement funds, and methods of transferring funds between businesses. All topics target the new entrepreneur.

PRO 232WI: Practical Leadership
Practical Leadership is a study of leadership focused on personal development and the practical application of leadership skills in organizations of all kinds. This course examines the experience of successful leaders in diverse walks of life and encourages students to reflect on how to develop their own leadership abilities over a lifetime.
Prerequisites: ENG23, ENG24 or ENG25

PRO 290: Selected Topics in Professional Studies
This course will permit the exploration of specialized topics that are not covered in existing courses or are not available to non-business majors. The course will emphasize a variety of current topics and contemporary issues in business, the economy and that affect the students as employees and consumers. Students will review current literature and improve their ability to analyze and express their thoughts relative to the selected topic. This course cannot be used by business majors to fulfill business course requirements.

PRO 410: Accounting, Budgeting, and Financial Reporting for Public Libraries
This course is designed for students majoring in Library Science and professional librarians wishing to strengthen their knowledge of Pennsylvania Law relating to accounting, financial reporting, and budgeting for public and special libraries in the Commonwealth of Pennsylvania.

Professional Writing

WRI 100: Reading and Writing in the Professions
This course will orient students to the significance of critical reading and different genres of writing in public, professional, creative, and academic careers. Students will analyze a range of print and non-print texts and media from different genres. They will also get experience writing in a variety of different genres. Students will exercise and refine interpretive methods, critical strategies, and writing practices as they also explore and prepare for the varied career opportunities for English and Professional Writing majors.
Prerequisites: ENG 23 or ENG 24 or ENG 25 or any CMP 100 level course

WRI 108WI: Introduction to Creative Writing
This course provides an introduction to creative writing in the genres of fiction, poetry, and drama, creative nonfiction, and nonfiction. Students will craft original creative works and revise based on critique and theoretical study of the writing process. Students will also read and analyze published works of poetry, fiction, drama, and nonfiction to serve as models for their own writing.
Prerequisites: ENG23 or ENG24 or ENG 25 or any CMP level 100 course & any CMP level 200 course

WRI 111WI: Journalism I
Journalism focuses of the fundamentals of reporting and newswriting for web, print, radio, TV, and social media audiences. The course stresses the reporting, writing and producing involved in producing text news stories, photos, and other multimedia components for all news platforms. It also stresses on the fundamentals of publication style and legal and ethical concerns in the practice of journalism.
Prerequisites: ENG23 or ENG24 or ENG 25 or any CMP level 100 course & any CMP level 200 course

WRI 120WI: Technical Writing and Communication
This course focuses on helping students shape specialized information for a variety of different audiences. Students will learn effective strategies for creating user-centered information design based on written, oral, and visual communication techniques employed in technical, scientific, and professional settings. Special attention will be paid to taking complex processes and making them accessible for wider audiences. Students will learn how to communicate with clarity, accuracy, and concision in professional settings.
Prerequisites: ENG23 or ENG24 or ENG 25 or any CMP level 100 course & any CMP level 200 course

WRI 205WI: Scientific Writing
The writing of formal reports and technical and scientific papers.
Prerequisites: ENG23, ENG24 or ENG25

WRI 207WICT: Writing for the Workplace
Theory of and practice in written business communication. Letters and memoranda, reports, and a research paper are required. Models and case studies are used extensively.
Prerequisites: All ENG, WRI and PUB REL major and minors in WRI, LIT, PUB REL-OR- Junior status with a grade of "C" or better in ENG 23, 24 or 25.

WRI 212WICT: Introduction to Mass Communications
A study of the method and philosophy of mass communications. Historical growth of the mass media is described. Interrelationships of present forms of mass communication are linked to the underlying necessity to write, speak, and think clearly and honestly.
Prerequisites: BA English,BA Eng/ProfWritng,BSED SECED/Eng,BA Eng/Paralgl, BA Eng/Culture&Med,BA Eng/Prof Wri/Cultr&Med, BA ComStudies,BA ElecMedia. Minors: Prof Writing,Literature, PubRelations,Comm Studies,Digtl Comm&New Med OR Jr with grade of "C" in ENG23-24-25

WRI 213WI: Copy Editing: Revision and Style
Students in this course will produce written documents, revise and rewrite manuscript copy, and give and receive editorial critique. Emphasis is placed on creating clear and polished copy and identifying and correcting errors-in grammar, punctuation, and sentence structure.
Prerequisites: CMP100 level and CMP200 level or permission of instructor

WRI 214WICT: Magazine Writing
This basic course introduces students to magazine writing. Students learn what constitutes magazine style writing by studying magazine articles from a wide range of publications intended for diverse markets. Students examine the growth and development of the medium, the current state of the industry and trends for the future. Students write magazine articles and study the processes by which articles may be sold to appropriate publications.
Prerequisites: ENG23, ENG24 or ENG25

WRI 216WICM: Writing for Public Relations
Students in this course analyze and compose various documents related to the field of public relations. Emphasis is placed on shaping perception through crafting clear, direct, and accurate prose.
Prerequisites: English 023 or its equivalent and WRI 211; or permission of instructor.

WRI 217: Storytelling in Public Relations
This course will teach the craft of storytelling as it applies to public relations. Students will learn basic narrative theory, how to identify story ideas, how to pitch stories to the media, and practice a variety of research techniques, including interviewing. Students will also write stories designed to advance or enhance the reputation of an organization. Class projects will focus on both written and visual storytelling.
This is a required course for all undergraduate Public Relations majors and an elective course for students in the Professional Writing major and Public Relations minor.
Prerequisites: ENG23, ENG24 or ENG25

WRI 222: Conventions of English Grammar
This course surveys the fundamentals and conventions of English grammar and syntax. Topics include lexical categories, phrase structure, clause structure, modification, subordination, punctuation, and language acquisition. Additional attention is given to stylistic concerns in order to sharpen students' prose. This course is recommended for those pursuing degrees in Professional Writing, English, Elementary Education, and Secondary Education/English although it is open to any student wishing a deeper understanding of English grammar.
Prerequisites: ENG23, ENG24 or ENG25

WRI 226WICP: Desktop Publishing: Writing and Editing Newsletters
Students in this course write and design short and long newsletters. Publications are created about current issues and for professional organizations. Emphasis is placed on positioning the organization through interesting, newsworthy articles and also on the interaction of text and graphics and the value of clean document design.
Prerequisites: ENG23, 24, or 25 & WRI 211 & BA English, BS Electronic Media, and majors/minors in Public Relations, Writing or Speech Communications only; other majors contact your home department for more information.

WRI 244: Story Analysis & Screenplay Development
This course will offer students a comprehensive understanding of story analysis and screenplay development and will give them pragmatic tools used by the professional reader and development executive in the motion picture and television industry today. Students will learn and practice coverage skills while gaining an understanding of the elements of story. Class topics will include various types of coverage; how to compose story notes; and character breakdowns, treatments and outlines. Upon completion of the course, students will have written at least three pieces of full coverage that can be used as a part of a professional portfolio or to interview for a job as a reader or development assistant.
Prerequisites: ENG23, ENG24 or ENG25

WRI 250: Writing for Social Media
Students will learn theories and practices associated with using a variety of social media platforms for public relations purposes. A "working" class, this experience will require students to maintain a social media presence for a specific, real client. This is an elective course for all undergraduate students enrolled in the Professional Writing major and Public Relations minor.
Prerequisites: ENG23, ENG24 or ENG25

WRI 303WI: Investigative Journalism
WRI 303 Investigative Journalism concerns the strategies and techniques of in-depth reporting. Students critically analyze professional investigative and public affairs reportage. In pursuit of their own stories, students learn how to acquire original and electronic documentation at the local, county, state and federal levels.
Prerequisites: English 023 or its equivalent and WRI 211; or permission of instructor.

WRI 304WI: American Literary Journalism
WRI 304Literary Journalism concerns the relationship between mass media journalism and literature, focusing on strategies and techniques of significant works and movements in American journalistic literature that students may apply to their own writing.
Prerequisites: English 023 or its equivalent and WRI 211; or permission of instructor.

WRI 305WI: Freelance Journalism
WRI 305 Freelance Journalism provides guidance in the preparation and writing of news and feature material for the student newspaper and a variety of external publications. It also examines issues facing freelance writers, as well as the student press.
Prerequisites: English 023 or its equivalent and WRI 211; or permission of instructor.

WRI 306: Advanced Magazine Writing: Covering a Specialty
This advanced course teaches students of magazine journalism how to develop a specialty. Students continue to study what constitutes magazine style writing by reading magazine articles from a wide range of publications and studying how their own specialty manifests in different publications. Students research and write magazine articles and study the process by which articles may be sold to appropriate publications.
Prerequisites: ENG23, ENG24 or ENG25

WRI 308: Rhetoric and Writing
This course focuses on established and developing rhetorical and stylistic theories which form the conceptual base of the practice and study of writing and stresses the students' application of these theories.
Prerequisites: ENG23, ENG24 or ENG25

WRI 311WI: Creative Writing: Short Fiction
Students in "Creative Writing: Short Fiction" develop writing skills as will enable them to produce original works of fiction. Students read, analyze, and critique each other's stories as well as those by accomplished fiction writers, and ideas, techniques, and aesthetic concepts are discussed in a workshop setting.
Prerequisites: ENG 023-24 or 25 and WRI 208; & BA English or Writing minors only

WRI 312WI: Creative Writing: Poetry
WRI 312 Creative Writing: Poetry is an advanced course in the writing of poetry, focusing on poetic craft and style through critical analysis of student poems, and analysis, interpretation, and evaluation of published contemporary poetry. The course will be conducted as a workshop with extensive peer review.
Prerequisites: ENG 23 or ENG 24 or ENG 25 and WRI 208

WRI 313WICM: Creative Writing: Drama
An advanced course in the writing of drama.
Prerequisites: ENG 023, WRI 208, and two additional writing courses or permission of the instructor. BA English and Writing minors only.

WRI 314WI: Pop Music Journalism
Students are given exposure to and practice in writing about popular music in a variety of genres and for a variety of audiences. Students learn the practices of evaluation, interpretation, and analysis of popular music artists, performances, representations, genres, songs, albums, music videos, subcultures, etc.
Prerequisites: ENG 023 or ENG 025. WRI 211 or WRI 214 or permission of instructor and department chair.

WRI 316WI: Public Relations and the Corporate Environment
PR and the Corporate Environment introduces students to the various roles public relations professionals play in both internal and external corporate communication strategies and efforts.
Prerequisites: ENG 23 or ENG 24 or ENG 25 AND WRI 207

WRI 318WI: Sports Writing and Reporting
Sports Writing provides students with the tools to write legitimate sports stories worthy of publication. Journalistic fundamentals such as research, interviewing, storytelling, accuracy, editing, and ethics will be stressed. The course will also involve photojournalism and the development of an online sport-related presence. This course requires familiarity with the Internet, access to a digital camera, and experience with word processing and slide show software.
Prerequisites: ENG23, ENG24 or ENG25

WRI 321WI: Information Design: Writing and Editing for On-Line Publications
This course will introduce students to the fundamental principles of web-based information publishing. The course will allow students to engage in the entire process of writing and designing for the Web: rhetorical analysis, strategic planning, content development, document and site design, integration of visual elements, usability testing, and assessment. Throughout, emphasis will be placed on writing strategies for on-line publications. This course will be restricted to Professional Writing majors.
Prerequisites: Writing 220

WRI 325WICD: Travel Writing
This course will enable students to write newspaper, magazine and online articles about specific destinations that inform the reader about the culture, history and landscape of a place. This class will not only focus on broader issues like research methods, tone and market appropriateness but also micro-techniques regarding word choice and sentence structure. Students will produce a number of articles of varying styles, including travelogues, travel features, adventure stories and guidebook entries as well as read fine examples of each type of writing. Like most professional travel writers, the student will begin by seeking out inexpensive, close-to-home destinations that might appeal to a broader audience.
Prerequisites: WRI 214 or permission of the instructor.

WRI 326: Advanced Desktop Publishing: Writing and Designing Documents
In this advanced course, students will consider aspects of document composition both content and design. Assignments will emphasize promotional copy writing as well as report writing.
Prerequisites: ENG 23 or ENG 24 or ENG 25 and WRI 226 or permission of the instructor

WRI 333: Digital Rhetoric and Writing
This course focuses on honing the analysis and production of contemporary digital texts by extending longstanding academic conceptions rooted in the printed word alone. Specifically, the course examines how emerging areas within Rhetoric and Composition such as visual rhetoric, digital writing, and multimodal style are vital in cultivating sophisticated, responsive methods of analysis and production in a variety of online texts. Students will familiarize themselves with issues surrounding the creation, revision, and deployment of digital texts to better understand the complex rhetorics involved when arranging words, images, sounds, coding languages, available designs, fonts, colors, and spaces to make new kinds of 21st century texts and arguments.
Prerequisites: ENG23, ENG24 or ENG25

WRI 339: New Media, Story, Change
This course investigates the crucial role that story plays in creating impactful campaigns within new and emerging media environments. Particular attention will be paid to the ways in which story continues to be one of the most important rhetorical tools in community and social movements seeking change. Readings will draw from a wide range of disciplines including rhetoric, literacy studies, marketing, public relations, communication studies, social media theory, cognitive psychology, and social movement studies.
Prerequisites: ENG23, ENG24 or ENG25

WRI 340CM: Screenwriting I
This course will offer an introduction to the art and craft of screenwriting and will prepare students to write screenplays for motion pictures or television that meet industry standards. The class will include intensive writing, readings, script analyses, and critiques. Students will complete assignments in story, structure, character, and script development. In addition, students will be introduced to the business of being a screenwriter and a motion picture industry professional today. For the term project, students will complete a short narrative screenplay.
Prerequisites: ENG23, ENG24 or ENG25

WRI 342: Screenwriting: Creating a Narrative Web Series
This course will offer an introduction to creating and writing the short-form episodic Internet TV series and will give students pragmatic tools used by screenwriters working in this burgeoning field of the digital media industry today. Class topics will include the series concept, character and story development, collaborative writing skills, and production design. Lectures and screenings will provide a background in the history and aesthetics of serial media projects, short-form video, and episodic drama. Upon completion of the course, students will have created a web series, written a pilot script and two subsequent scripts, and employed a screenwriter's considerations in devising a pre-production strategy. In addition, they will be introduced to the business of promoting a narrative web series designed for distribution over the Internet.
Prerequisites: ENG23, ENG24 or ENG25

WRI 345: Rhetoric, Democracy, Advocacy
The connection between rhetoric and democracy is an old one dating back to the origins of both concepts in Western traditions. Simply put rhetoric the skilled use of argument and persuasive discourse and democracy were seen as ways to replace violence as the primary means of governing and maintaining social order. However, the connections between democracy and rhetoric may not be immediately apparent indeed the two may appear to be in opposition in contemporary society. This course argues that the intimate connections between rhetoric and democracy are critical to retain and reclaim for the health of democratic society and culture. In the era of globalization and digital media these connections are even more important. A healthy democracy requires citizen advocates who are skilled in the analysis of public discourse as well as in the production of persuasive texts.
Prerequisites: ENG23, ENG24 or ENG25

WRI 347: Activists Writing Media: Composing Democratic Futures
The early twenty-first century has seen an explosion in the development, repurposing, and critical use of new media by political activists. Unlike theoretical debates regarding the relative merits of new media compared to more traditional media or the vigorous business interest in "web 2.0" for its marketing possibilities, activists have approached new media in a rhetorical fashion. For activists, new media are part of the "available means" with which political organizing and campaigning take place. This course explores the multiple and complex ways in which activists have made use of and rewritten what counts as media, who counts as an authorized writer, and even what counts as writing. The course will investigate examples of activist campaigns, emergent theories of literacy, and the role of literacy training for the development of activists and how this is often at odds with the literacy instruction students receive in secondary and post-secondary schooling.
Prerequisites: ENG23, ENG24 or ENG25

WRI 350: Breaking News: Consuming, Reporting and Writing
This course provides undergraduate students with a more detailed study in the reporting and writing about breaking news, planned and unplanned events that happen and develop quickly in our communities every day. Students will engage with, analyze and respond to breaking stories that develop around them - locally, nationally and internationally - monitoring social media, websites, radio, TV outlets and print news sources. Students will also work in their communities, reporting on and writing about breaking news (small and large, planned and unplanned) as it happens around them. They will report and write short news stories using social media, online and print platforms. There will also be the opportunity to post photographs, sound clips and short video of the news they cover.
Prerequisites: WRI 211

WRI 370: Seminar: Selected Topics in Professional Writing
A course offering students the opportunity to study in depth a topic in the practice, theory, or history of the print media not covered in the regular curriculum. Students may register for this course more than once - up to a maximum of six semester hours of credit - so long as they do not repeat the same topic. However, they may take no more than three hours of credit under this rubric in any one semester.
Prerequisites: Completion of any four courses in the Prerequisite Core and permission of the instructor and the department chairperson.

WRI 371: Independent Study in Professional Writing
A course offering the individual student an opportunity to study in depth a topic in the practice, theory, or history of written communications not covered in the regular curriculum. A student may register for this course more than once - up to a maximum of six semester hours of credit - so long as he or she does not repeat the same topic. However, a student may take no more than three hours of credit under this rubric in any one semester.
Prerequisites: Completion of any four courses in the Prerequisite Core and permission of the instructor and the department chairperson.

WRI 380: Professionalization Seminar
This course will provide students with the tools they need to make the transition from undergraduate academic study to professional application of skills, apply for and obtain internships, and identify and work towards specific post-graduation goals. Students will learn about internship and professional opportunities for English and Professional Writing majors, create professional resumes and cover letters, complete effective social media profiles, create a professional website, network with professionals, and apply for and obtain internships. Students will be required to update the professional website during the internship to include work done during this experience.
This is a required course for all undergraduate English and Professional Writing majors and should be taken prior to the for-credit internship experience.
Prerequisites: ENG23, ENG379, at least 75 overall credits & 33 SH of ENG course work

WRI 390: Professional Writing/English Internship
The Professional Writing/English internship creates the opportunity for supervised, practical work experience in professional contexts wherein the skills attendant to English Studies are valued and can be developed. Internships are to be secured by the student under the advisement and coordination of English Department faculty, following ENG/WRI 380 Professionalization Seminar. The internship will extend the student's academic studies into the workplace and may fall into such professional categories as Editing, Journalism, Publishing, Public Relations, Social Media, Research, Campaign Organization, Communications, or Marketing. This internship may be taken for three, six, or nine credits.
Prerequisites: Passed ENG/WRI 380 and good academic standing and department approval.

WRI 400: Creative Writing: Theory and Practice
This is a graduate level writing course which will focus on the production of texts of poetry, short fiction, drama and multi-genre forms of creative writing. Using the works of contemporary writers in these genres as models, students will explore various writing styles consistent with the practice of contemporary writing. Reading assignments will focus on technique and stylistic considerations. Writing assignments will focus on allowing each student to understand his/her own creative process in the development of a unique voice as he/she works toward producing an acceptable body of original work. Using models from various texts, students will be encouraged to develop their own prompts and methods of generating writing topics. This course may be appropriate for the undergraduate students who have taken all the undergraduate creative writing courses and are developing a portfolio of writing for admission to a graduate writing program.
Prerequisites: BA English and Writing Minor only

WRI 410WI: Arts and Entertainment Writing
Students enrolled in Arts and Entertainment Writing both study and practice the strategies of reviewing artistic performances and related cultural subjects for the general press. Students will learn the basic methodologies of analysis, interpretation and evaluation of artistic offerings.
Prerequisites: ENG 023, ENG 025 or equivalent, and WRI 208; or permission of the instructor and department

WRI 430: Rhetorical Traditions and Contemporary Renditions
This course studies the histories of rhetoric as well as contemporary intersections and applications across disciplines. Depending on the particular interests of the professor, one or more specific area(s) such as media, popular culture, sciences, feminisms and gender studies, composition studies, literary theories, literacies, global issues, pedagogy, arts, and political discourse will be chosen for a more detailed study. Critical to the course are the writing assignments that allow students to examine issues in more depth and explore alternative rhetorical stances and situations.

Psychology

PSY 11: General Psychology
An introduction to the psychological bases of behavior in motivation, learning, memory, development, personality, perception, abnormal behavior, psychotherapy, attitude change, and group behavior.

PSY 105: Contemporary Developments and Careers in Psychological Science
This seminar-style course serves as an in-depth examination of the current nature of psychology as a discipline, a scholarly pursuit, and as a potential area for the focus of a career. An emphasis will be placed on conveying an understanding of the processes that psychologists have used to expand and develop understanding within the domain of psychology, and how these are changing. This will include an examination of (1) critical thinking, (2) research methodology, and (3) current attempts to strengthen the credibility of psychological science by, for example, requiring research projects to be pre-registered, and requiring date to be made publicly available. Within this context, this course will also equip students with conceptual tools that will help them meaningfully address the personal questions of (1) whether psychology is the right field of concentration (major) for them as an undergraduate and (2) whether a career in the field of psychology could eventually be a fulfilling career choice after graduation. In this connection, the possibilities and practical aspects of launching oneself on a course of graduate training within psychology and/or on career path within psychology will be reviewed. If a student elects to take this course, then it would be best to take it immediately after having had general psychology or upon transferring into the major.
Prerequisites: PSY 11 with a grade of "C" or higher and a declared Psychology major.

PSY 110: Child Psychology
This course deals with the organization of psychological processes within the individual as he/she develops from conception to adolescence. It will focus on the physical, social, cognitive, and emotional aspects of child development as well as techniques of child study, theories of learning, genetics, and individual differences.
Prerequisites: PSY 11. Students may not exceed 6 credits to be used toward graduation from the following group: PSY110, 120,125

PSY 120: Adolescent Psychology
A study of the interacting physical, social, and psychological characteristics of the adolescent stages of human development. Special attention will be given to means that parents and professionals might employ to facilitate positive growth and development of the adolescent.
Prerequisites: PSY 11. Students may not exceed 6 credits to be used toward graduation from the following group: PSY110, 120,125

PSY 125: Life Span Development
This course examines human development across the life span from infancy to old age. The emphasis will be on physical, cognitive, social and personality development. Normal development will be stressed but aspects of abnormal functioning will also be considered.
Prerequisites: PSY 11. Students may not exceed 6 credits to be used toward graduation from the following group: PSY110, 120,125

PSY 140: Educational Psychology
The focus of this course is the study of the human learning process, with an emphasis on the application of the principles of psychology to the problems of learning and teaching. The social, cultural, and political contexts within which the educational system is embedded is examined. Special emphasis is given to teacher effectiveness and to the procedures involved in facilitating learning, both at the elementary and secondary levels.
Prerequisites: PSY 11

PSY 160CD: Human Exceptionalities
The course is designed to give a functional understanding of the various types of exceptional or atypical individuals. Attention is given to the psychological problems arising out of the interaction of exceptional children and the environment. Individuals with physical, mental, neurological, sensory, and behavioral exceptionalities are studied.
Prerequisites: PSY 11

PSY 200QL: Statistics for the Social and Behavioral Sciences
The purpose of this course is to introduce the student to the concepts of descriptive and inferential statistics. The results of any research should be summarized by appropriate descriptive statistics such as central tendency, variability, and the shape of the distribution. Relationships will be studied using correlation, regression, and chi-square. Research which involves sampling will be analyzed by appropriate inferential statistics such as t-tests and ANOVA. Sampling error, hypothesis testing, significance levels, Type I Error, Type II Error, and power will be discussed. In addition, the student will be introduced to SPSS for Windows, Microsoft Excel, and/or other appropriate software for performing descriptive and inferential statistical procedures presented throughout the course. No students (Sociology or non-Sociology majors) may receive credit for both POL/PSY/SOC 200 and SOC 201 due to substantial overlap.
Prerequisites: PSY 011 (Psychology majors need a ‘C’ or better) and MAT 017 or higher (except 040 Geometry, and 045 Women in Mathematics). Students that have passed SOC 201 with a grade or "D" or better may not take this course.

PSY 201: Computer Techniques For Behavior Sciences
This course provides experience in the use of computers in the research process with a focus on data organization, analysis, interpretation, and presentation. The Statistical Package for Social Sciences will be covered in depth. Topics to be explored at an introductory level include interfacing to operating systems (DOS, Windows, UNIX); spreadsheet, graphing, and database applications; and the Internet.
Prerequisites: PSY 200

PSY 202: Psychology of Personality
A study of the methods and concepts used in studying personality. Consideration is given to various theories as well as the experimental and clinical findings on personality.
Prerequisites: PSY 11

PSY 205CD: Psychology of the Black Experience
This course is designed to provide students with an in-depth examination of the factors that have historically, culturally, politically, educationally, and scientifically shaped the consciousness of black Americans. Specific attention will be paid to how these factors have explicitly and implicitly influenced the self-concept development of black Americans and how such self-awareness influences their interactions among themselves as well as other individuals from different racial and cultural groups.
Prerequisites: PSY 11 or permission of instructor

PSY 208: Psychology of Gender
This course is designed to introduce the psychological study of gender through an overview of theory and research on both the similarities and differences between men and women. Topics to be covered include (but are not limited to) the role of gender in development, health and wellness, education and the workplace, culture and media.
Prerequisites: PSY 11

PSY 215CD: Psychology of Prejudice
Prejudice will be defined and its origins, benefits to the prejudger and its implications for our society will be discussed. Antecedents of prejudice and means of reducing prejudice will be identified. Prejudice against specific groups of individuals will be explored.
Prerequisites: PSY 11

PSY 217: Forensic Psychology
An overview of the area of psychology and law. Topics covered will include psychological aspects of criminal behavior, the insanity defense, competency, commitment of the mentally ill, scientific jury selection and professional issues such as the duty to warn.
Prerequisites: PSY 11

PSY 220: Industrial/Organizational Psychology
The interactive relationships between organizations and the individual will be analyzed. Psychological principles involved in personnel selection, training, performance appraisal, motivation, group processes, leadership, organizational dynamics, and the work environment are considered. A minor focus on career planning.
Prerequisites: PSY 11

PSY 232: Psychology of Death and Dying
This course is designed to provide an overview of the psychological aspects of death and dying, including an understanding of the theories and research about different developmental aspects of death and dying, issues of coping with and preparation for death and dying and the concepts of normal versus abnormal grieving.
Prerequisites: PSY 11 or permission of the instructor.

PSY 240: Social Psychology
The behavior of the individual in society, the actions of humans in relation to other persons, the development of social goals, and social behavior. Prejudice and its effects on the individual as well as attitude formation and change will be discussed.
Prerequisites: PSY 11

PSY 242: Performance Psychology
This course investigates the psychological factors associated with skilled performance and how these factors can be applied to understand elite performance in various areas such as sport, music, and surgery.
Prerequisites: PSY 011 or permission of the instructor.

PSY 250: Abnormal Psychology
This course reviews the history, causes, symptoms, and treatment of the various types of abnormal behaviors. Special emphasis is placed on neurosis, psychosis, and psychosomatic disorders as well as organic bases of psychological functioning. Each diagnostic category is considered in light of traditional as well as current theory with special attention given to current research in the field.
Prerequisites: PSY 11

PSY 255: Environmental Psychology
The study of individual and group behavior as it relates to natural and human-made environments. Emphasis is placed on aspects of the environment such as space, physical arrangements, crowding, pollution, etc. as they relate to perception, development, and adjustment. Research methods for studying aspects of the environment are an integral part of the course.
Prerequisites: PSY 11

PSY 260: Psychology of Human Communication
Cognitive, emotive, and perceptual development and processes of communicative behavior. Included will be an overview of applicable theories and research, the influence of psychological, situational, and personality factors, and the interactive active processes of verbal and non-verbal communication.
Prerequisites: PSY 11

PSY 265: Human Sexual Behavior
An overview of the current scientific knowledge and research methods concerning human sexuality. The influence of learning, feelings, motivations, interactions, subtleties, problems and therapies of sexual behavior will be discussed.

PSY 270CTWI: Experimental Psychology
Experimental Psychology deals with various aspects of research in the field of psychology. Experience will be provided with the design of research, the collection of data, the analysis of data, and the presentation of results. An individual research project utilizing the theories and methods is required.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 280: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 281: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 282: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 283: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 284: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 285: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 286: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 287: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 288: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 289: Selected Topics in Psychology
Topics in the fields of psychology that are of current interest will be selected for in-depth study. The course content will normally change each time the course is offered. The course may be repeated for credit provided that the same topic is not repeated.
Prerequisites: PSY 11

PSY 290CD: Culture and Personality
The course is designed as an interdisciplinary survey of the field of culture and personality. The key problem involves investigating the concepts of culture and personality and the nature of the relationship between them. Also may be taken as PSY 290.
Prerequisites: ANT 10 or PSY 11

PSY 293: Evolutionary Psychology
Evolutionary psychology is the application of evolutionary theory to the study of behavior. The consideration of selection pressures faced by humans enables the identification of behavioral mechanisms that promote adaptability, survival and reproduction. Key topics may include: mating strategies, kinship, aggression, cognitive mechanisms, and how evolutionary theory can provide a unified approach to understanding the different branches of psychology.
Prerequisites: PSY 11

PSY 305: Practicum in Psychology
This is a supervised practicum in an approved research or applied setting that may be on or off-campus. Experiences might include, but are not limited to, working as a research assistant in a laboratory or other facility, volunteer work for a service organization or government agency, or work with a school district. This practicum is not designed for activities related to the provision of clinical/counseling or I/O services to agencies and businesses. Early in the semester prior to the practicum, the student, with the help of the faculty supervisor, must contact the site and develop a proposal outlining the work location and the anticipated practicum activities. The proposal must be approved before the student can register for the course.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 310CTQL: Principles of Psychological Measurement
An introduction to the theory of measurement of human behavior, its application to test and survey design and the application and evaluation of tests and survey tools in practice clinical, industrial, educational, and research situations.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 311: Psychology of Learning, Motivation and Emotion
A study of the basic processes in the areas of learning, motivation, and emotion as viewed through the major theoretical systems and empirical research.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 312: Sensation and Perception
An overview of visual and auditory perception combining the empirical and phenomenal approaches. Sensory and perceptual bases of color, form, space, sound, and music are covered.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 325: Physiological Psychology
This course is designed to explore the relationship between physiological functions and their behavioral manifestations. The sensory systems, the central and peripheral nervous systems, and the glands will be covered as they affect motivation, emotion, learning and memory, and psychopathology. Normal as well as abnormal functions are examined.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 329: Autism Seminar
This psychology seminar provides in-depth exposure to historical and current research concerned with autism spectrum disorders (ASD). Through critical reading, synthesizing, and discussion of theoretical and empirical research studies, students will gain a greater understanding of the major psychological theories of autism, individual differences in ASD symptomology, and various techniques used for diagnosis and intervention spanning from infancy through adulthood.
Prerequisites: (PSY 110 or PSY125) & (PSY200 or MAT140 or BUS120 with a grade of C or better)

PSY 331: Health Psychology: Biopsychosocial Factors in Health and Illness
Health psychology is the scientific study of behaviors that relate to health enhancement, disease prevention and management, and rehabilitation. This course will examine the biological, psychological, and social factors in health and illness. The course is organized into three parts: foundations of health psychology, biopsychosocial factors in health, and biopsychosocial factors in illness. Health psychology is both an applied field and a basic research field. Accordingly, scientific accomplishments are examined as they impact on clinical application.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 333: The Psychology of Leadership in Organizations
The primary focus of this course is on managerial leadership. The course will present a broad survey of theory and research on leadership in formal organizations, with special emphasis on leader effectiveness. Conceptual and methodological issues pertaining to leader effectiveness will be explored from four major research approaches: (1) the power-influence approach; (2) the trait approach; (3) the behavior approach; and (4) the situation approach. An integrating model of leadership will also be examined.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 336CD: Diversity In Organizations
Organizations have been continuing to diversify their workforces by employing people of various genders, ethnicities, national cultures, ages, and abilities. This course will examine a wide range of workplace issues as they related to diversity, starting with understanding the advantages of a diverse workforce, individual and organizational challenges experienced with regard to diversity, and best practices in how to maintain a diverse workforce.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 340: Cognitive Psychology
Cognitive psychology is the scientific study of mental representations and processes. Cognitive psychology, for example, focuses on how people take in, mentally represent, and store information; how they perceive and process that information; and how these processes affect everyday behavior. Its diverse topics include attention, pattern recognition, learning, memory, language processing, problem solving, and reasoning. The discoveries of cognitive psychologists are used in a variety of disciplines, including applied psychology, psychiatry, engineering, computer science, and linguistics. The goal of this course is to provide a foundation in many of the major areas within cognitive psychology.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 350: Personnel Psychology
The focus of this course is an examination of individual work behavior in the context of organizations. Personnel psychology (also referred to as industrial psychology) is a sub-field within the broader applied discipline of industrial and organizational psychology (Cascio, 1998). Personnel psychology overlaps with human resources management (HRM). Like industrial and organizational psychology, personnel psychology is based on the "Scientist-Practitioner" model with emphasis on principles of individual, group and organizational behavior through basic research and the application of scientific knowledge to the solution of human problems at work. Personnel psychology has its origins in the first half of the twentieth century where basic psychological theory and principles were applied to assist in the selection and staffing of personnel during World War I (Cooper and Locke, 2000). Following the War, psychologists continued to apply psychological theory and principles to solve real world problems in industry, commerce, and the public sector. Since its early roots in personnel selection, personnel psychology has extended beyond recruiting and hiring processes. As such, in addition to the traditional area of personnel selection, this course will examine such topics as applied psychometrics, job analysis and criteria development, testing, performance management systems, training and development and HRM.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 351: Organizational Psychology
This course examines the science and practice of organizational psychology. Organizational psychology is a sub-area of the broader filed of industrial/organizational (I/O) psychology. While industrial or personal psychology (PSY 350) concentrates on topics associated with the management of human resources in organizations (i.e. employment law, criterion development, recruitment, test validation, selection, performance management, training, human resource planning), organizational psychology examines individual and group behavior in formal organizations (i.e., socialization, motivation, job attitudes, occupational stress, leadership, group performance, organizational culture).
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 355: Organization Development and Change
This course will introduce the student to the basic theory and practice of Organization Development (OD). OD, a subfield of Industrial/Organizational Psychology, can be defined as a system-wide application of behavioral knowledge and practice to the planned development and reinforcement of organizational strategies, structures, and processes for improving an organization's effectiveness (Cummings and Worley, 2001). The course will focus on six major OD processes and interventions: (1) the process of how OD is applied to organizations; (2) human process interventions aimed at the social processes occurring within organizations; (3) technostructural interventions aimed at organization structure and at better integrating people and technology; (4) human resource management interventions that are directed at integrating people into the organization; (5) strategic interventions that focus on organizing the firm's resources to gain a competitive advantage in the environment; and (6) evaluating OD interventions and stabilizing them as a permanent part of the organizational functioning.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 360: Introduction to Clinical Psychology
This course is a survey of the field of Clinical Psychology, its problems, methods, and areas of application. The student will be presented with rudimentary background knowledge in testing techniques, interviewing, and psychotherapy.
Prerequisites: PSY 11 with a "C" or better, PSY 200 or MAT 140 or BUS 120 with a "C" or better and PSY 250

PSY 362: Internship in Industrial/Organizational Psychology
This is an academically based, supervised work experience designed to apply theory to practice. Students will have the opportunity to interact with professionals in their area of interest, develop the communication skills needed in their field, and begin to build a strong resume and references for employment and/or graduate study. This experience will provide not only career focus but also increased self-confidence and maturity.
Prerequisites: PSY 11 with a "C" or better, PSY 200 or MAT 140 or BUS 120 with a "C" or better, and PSY 220

PSY 363: Clinical Internship
One semester supervised internship at agencies and organizations offering clinical/counseling services. Students spend either one or two days a week at the internship site and have the opportunity to observe and/or provide psychometric services, interviews, counseling, and other clinical services under supervision. In addition, students participate in a weekly meeting at the university during which they present their fieldwork experiences and discuss the relationship between clinical practice and theory.
Prerequisites: PSY 011 with a C or better, PSY 200 with a C or better, PSY 250, PSY 360.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 370: Selected Research Topics in Psychology
This course is designed to allow students to do independent research under the direction of a faculty member. The topic must be accepted by the department member with whom the student will work.
Prerequisites: PSY 011 with a C or better, PSY 200 or MAT 140 or BUS 120 with a C or better, and PSY 270. May be repeated for credit.

PSY 375: Psychotherapy: Theory, Research and Practice
This course will examine the major approaches to psychotherapy through a critical review of (a) the epistemological and theoretical bases of psychotherapeutic practice, (b) evidence from outcome and process studies conducted in analogue as well as field settings, and (c) specific techniques employed in the treatment of various psychological problems.
Prerequisites: PSY 011 with a C or better, PSY 200 or MAT 140 or BUS 120 with a C or better, PSY 202 or PSY 250, or permission of the instructor.

PSY 379: History and Systems of Psychology
This course is designed to give the student an historical introduction to the various points of view in contemporary theories of behavior.
Prerequisites: PSY 11 & PSY 200 or MAT 140 or BUS 120, with a grade of "C" of better.

PSY 380WI: Senior Seminar in Psychology
This course, required of all liberal arts students majoring in psychology, provides an opportunity for senior psychology majors to critically examine selected significant issues and problems within the discipline of psychology. Through critical reading, discussion and expository writing students are encouraged to integrate and synthesize prior training in psychology as they critically and creatively examine important issues and problems in the field. This course should be taken during the school year of expected graduation. Required of all Psychology majors. ENROLLMENT: Limited to twenty students.
Prerequisites: PSY 011 with a C or better, PSY 200 or MAT 140 or BUS 120 with a C or better, Senior standing or permission of the instructor.

PSY 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

PSY 429: Behavior Modification
A survey of procedures used for behavior modification and behavior therapy. Practical application of these procedures to various populations will be stressed.
Prerequisites: Graduate student status, or junior/senior undergraduate with a QPA 2.9 or higher, PSY 011 and PSY 200, MAT 140, or BUS 120, with a "C" or better or permission of the instructor.

PSY 432: Human Neuropsychology
This course will consider aspects of the relationship between brain and behavior in the adult and the developing human through the critical examination of evidence derived from (1) the study of the effects of focal lesions of the cerebral cortex, (2) the effect of forebrain commissurotomy and (3) the neuropsychological investigation of subjects without neurological impairment. Relevant experimental literature concerned with animals other than humans will also be considered.
Prerequisites: Graduate student status, or junior/senior undergraduate with a QPA 2.9 or higher, PSY 011 and PSY 200 with a C or better or permission of the instructor.

Public Relations

PRS 250: Public Relations Ethics and Law
A survey of legal and ethical issues relevant to public relations. Specific topics will include free speech, corporate speech, intellectual and creative property, and defamation.
This is a required course for all undergraduate Public Relations majors.
Prerequisites: MAT 17 or an ALEKS score of at least 61, 75 credits of completed undergraduate coursework, and 30 credits of coursework in the PRS major.

PRS 310: Public Relations Research
This course will provide students with opportunities to understand the critical role of research in the public relations process from the development and management stages to the evaluation phase. Students will learn how to use the most appropriate research techniques including qualitative, quantitative, and mixed-methods for specific public relations objectives.
This is a required course for all undergraduate Public Relations majors.
Prerequisites: COM 170, COM 235, COM 241, COM 319, WRI 211, WRI 226; or permission of the Director of the Public Relations major.

PRS 338: Personal PR: Entering the Profession
This course will teach self-marketing strategies for professionals hoping to enter the workplace as full-time or freelance writers. Students will create professional identities for themselves in an online environment. A keystone project of the course will be to design a professional, online portfolio of work. This course will also require students to create a blog about a professional topic with the larger goal of positioning themselves as contributing members of online professional communities.
This is an elective course for all undergraduate Professional Writing majors.
Prerequisites: ENG 23; and at least 27 credits of WRI credits

PRS 380: The Agency Experience, Part One
This course is part one of a two-semester capstone experience for public relations majors. In it, students will begin to develop public relations programming for a real client (they will execute the program in part two of this capstone experience, which they will take the following semester).
Course activities will include meeting with clients, researching issues, strategizing programming, and pitching ideas to the client.
This is a required course for all undergraduate Public Relations majors.
Prerequisites: 90 credits of undergraduate coursework including at least 30 credits of coursework in the Public Relations major.

PRS 381: The Agency Experience, Part Two
This course is part two of a two of a two-semester capstone experience for public relations majors. In it, students will develop materials and implement public relations programming that has been strategized and proposed during the first part of this course, which they will have taken the previous semester. They will also evaluate the success of the program and report their evaluation to their client.
This is a required course for all undergraduate Public Relations majors.
Prerequisites: COM 170, COM 235, COM 241, COM 319, WRI 211, WRI 216, WRI 226, PRS 310, PRS 250, PRS 380 OR permission of the Public Relations major director.

PRS 390: Public Relations Internship
This course provides students with a supervised professional experience focused within the specialties of the public relations field.
This is a required course for all undergraduate Public Relations majors.
Prerequisites: 75 credits of undergraduate coursework including at least 30 hours of coursework in the major program.

Russian

RUS 255CD: Masterpieces of Russian Literature in English Translation I
This course entails an in-depth study in English translation of selected masterpieces of Russian literature. This course deals with Russian literature from Pushkin through Tolstoy.
Prerequisites: ENG23, ENG24 or ENG25

RUS 256CD: Masterpieces of Russian Literature in English Translation II
This course entails an in-depth study in English translation of selected masterpieces of Russian literature. This course deals with Chekhov, continues through Tolstaia and includes a survey of modern Russian poetry.
Prerequisites: ENG23, ENG24 or ENG25

Secondary Education

SEU 15: Secondary Education First Year Seminar
College of Education: Secondary Education First Year Seminar introduces Secondary Education freshmen, organized by cohorts according to declared major, to the critical strategies, resources, and responsibilities of a university student and future teacher. The seminar will build the students' foundation knowledge and understanding of what it means to be professional educators. Toward this end, the students enrolled in this course will participate in a number of relevant experiences that facilitate and strengthen their personal appreciation and intellectual understanding of their role as a teacher candidate and Kutztown University and the support available to ensure their success. The course will be required of all entering freshmen. The course will be offered as Pass/Fail.

SEU 210: Secondary School Curriculum
The content and organization of high school curriculum, and of the nature and content of major fields of instruction. Requirements and standards that affect the high school program.

SEU 310: Problems of Secondary Education
Theoretical and practical approaches relevant to current problems in secondary education with attention on the broad spectrum as well as immediate day-to-day situations will be explored. A focused effort has been made to develop a responsive course to prepare the teacher candidates to be effective classroom managers for learners in today's inclusive and diverse classrooms.
Prerequisites: College of Education majors only

SEU 312WICD: Principles of Learning
This is a clinically based course that examines how aspects of learner language, culture, prior knowledge and experience influence the learning process in the school setting. This course will provide a bridge between theories of learning and current practice by placing teaching candidates in a weekly, supervised experience. This course will be taken after the student has achieved teacher candidacy. Teaching candidates will meet for 6 hours each week, in two three-hour blocks. During the first block, candidates will meet at the university with the professor. This will be the theory-based component of the course and coordinates with Categories I and IV of the Principles of Teaching and Learning criteria established by the Pennsylvania Department of Education. The second block will take place in the school setting (SEU 313 Principles of Learning Clinical Lab). This course must be taken with SEU 313 Principles of Learning Clinical Lab. This course is a prerequisite for SEU 342 Principles of Teaching.
Prerequisites: College of Education majors only

SEU 313: Principles of Learning Clinical Lab
This is the clinical part (second block) of the SEU 312 Principles of Learning course. The entire class will be assigned to a school where pairs of teaching candidates will be assigned to a classroom. Schools will be recruited based on their opportunities for diverse experiences and size. The Kutztown faculty member will accompany teaching candidates to the placement and will supervise while the candidates are in the building. This course must be taken with SEU 312 Principles of Learning. It is a prerequisite for SEU 342 Principles of Teaching.
Prerequisites: College of Education majors only

SEU 320: Appraisal and Evaluation in Secondary Education
This course emphasizes the value, use and interpretation of standardized group tests for various purposes in the public schools. Training is given in the administration and evaluation of group intelligence, achievement, and aptitude tests and personality and interest inventories. The organization and operation of school testing programs will be analyzed. Teacher constructed evaluative criteria will be required.
Prerequisites: College of Education majors only

SEU 321WI: Methods of Teaching Secondary School Subject: Communication
Methods, techniques and evaluative instruments applicable to the teaching of secondary school subjects. The course is basically the responsibility of a coordinator and a "team" of teachers, each of whom is a specialist in the subject matter fields of Communication, Social Studies, Foreign Languages, Science, and Mathematics. Laboratory experiences include classroom observation, micro-teaching, films, lectures by resource persons, construction of a teaching unit, etc. Summer course not available to undergraduates.
Prerequisites: SEU 342

SEU 322WI: Methods of Teaching Secondary School Subject: Foreign Language
Methods, techniques and evaluative instruments applicable to the teaching of secondary school subjects. The course is basically the responsibility of a coordinator and a "team" of teachers, each of whom is a specialist in the subject matter fields of Communication, Social Studies, Foreign Languages, Science, and Mathematics. Laboratory experiences include classroom observation, micro-teaching, films, lectures by resource persons, construction of a teaching unit, etc. Summer course not available to undergraduates.
Prerequisites: SEU 342

SEU 324: Methods of Teaching Secondary School Subject: Science
Methods, techniques and evaluative instruments applicable to the teaching of secondary school subjects. The course is basically the responsibility of a coordinator and a "team" of teachers, each of whom is a specialist in the subject matter fields of Communication, Social Studies, Foreign Languages, Science, and Mathematics. Laboratory experiences include classroom observation, micro-teaching, films, lectures by resource persons, construction of a teaching unit, etc. Summer course not available to undergraduates.
Prerequisites: SEU 342

SEU 325WI: Methods of Teaching Secondary School Subject: Social Studies
Methods, techniques and evaluative instruments applicable to the teaching of secondary school subjects. The course is basically the responsibility of a coordinator and a "team" of teachers, each of whom is a specialist in the subject matter fields of Communication, Social Studies, Foreign Languages, Science, and Mathematics. Laboratory experiences include classroom observation, micro-teaching, films, lectures by resource persons, construction of a teaching unit, etc. Summer course not available to undergraduates.
Prerequisites: SEU 342

SEU 331: Practicum: Communication
SEU 331 provides a practicum, concurrent with the methods class. This practicum provides an opportunity for the application of theory presented in the methods class to be applied to middle and high school classroom. (1 s.h., 2 c.h.)

SEU 332: Practicum: Modern Languages
SEU 332 provides a practicum, concurrent with the methods class. This practicum provides an opportunity for the application of theory presented in the methods class to be applied to middle and high school classroom. (1 s.h., 2 c.h.)

SEU 333: Practicum: Mathematics
SEU 333 provides a practicum, concurrent with the methods class. This practicum provides an opportunity for the application of theory presented in the methods class to be applied to middle and high school classroom. (1 s.h., 2 c.h.)

SEU 334: Practicum: Science
SEU 334 provides a practicum, concurrent with the methods class. This practicum provides an opportunity for the application of theory presented in the methods class to be applied to middle and high school classroom. (1 s.h., 2 c.h.)

SEU 335: Practicum: Social Studies
SEU 335 provides a practicum, concurrent with the methods class. This practicum provides an opportunity for the application of theory presented in the methods class to be applied to middle and high school classroom. (1 s.h., 2 c.h.)

SEU 340: Teaching Reading in Secondary School Academic Subjects
This course is designed to provide teachers of the content areas with basic strategies for coping with the unique reading demands of their subjects. Emphasis is upon diagnosis, comprehension, vocabulary skills, and study skills. Required of all students majoring in secondary education.
Prerequisites: College of Education majors only

SEU 342WIVL: Principles of Teaching
This course is a clinically based course that provides teaching candidates with a common language to talk about teaching and clear, concrete levels of performance for teaching candidates to use in reflecting upon the work of the classroom teacher. These components of professional practice are based on Praxis III and are aligned with INTASC and the National Board for Professional Teaching Standards. This course will provide a bridge between theories of teaching and current practice by place teaching candidates in a weekly, supervised experience. This course must be taken with SEU 343 Principles of Teaching Clinical Lab.
Prerequisites: SEU 312

SEU 343: Principles of Teaching Clinical Lab
This clinical experience meets the Pennsylvania Department of Education requirements to extend field experiences prior to the student teaching assignment. Teacher candidates will be assigned to a high school in their certification area. This course must be taken with SEU 342 Principles of Teaching.
Prerequisites: College of Education majors only

SEU 380: Independent Study in Secondary Education
Independent Study is based on a student's pursuit of a subject in Secondary Education not covered within regularly offered undergraduate courses. Undergraduate students may schedule this course for one to three credits in a single semester, with no more than six credits for Independent Study overall. Permission of the faculty of the Secondary Education Department is required.
Prerequisites: College of Education majors only

SEU 390: Clinical Experience and Practicum: Secondary I
Both SEU 390 & SEU 391 are segments of a single course which provides two full-time classroom experiences comprising an entire semester. Opportunities are provided for observation and participation in all activities related to teaching on the secondary level. The practicum, concurrent with student teaching, is a clearing house for the selection, organization, and presentation of proposed units, lessons, or activities. In addition, it provides an opportunity for the discussion of problems that arise in the classroom. Students organize units of instruction and present them for evaluation by the group. Juniors are encouraged wherever feasible to participate in the practicum.
Prerequisites: College of Education majors only

SEU 391: Clinical Experience and Practicum: Secondary II
Both SEU 390 & SEU 391 are segments of a single course which provides two full-time classroom experiences comprising an entire semester. Opportunities are provided for observation and participation in all activities related to teaching on the secondary level. The practicum, concurrent with student teaching, is a clearing house for the selection, organization, and presentation of proposed units, lessons, or activities. In addition, it provides an opportunity for the discussion of problems that arise in the classroom. Students organize units of instruction and present them for evaluation by the group. Juniors are encouraged wherever feasible to participate in the practicum.
Prerequisites: College of Education majors only

SEU 410WI: Science Instructional Methods for Middle & HS
This course is a graduate level instructional methodology course designed to meet the needs of the graduate and post-baccalaureate student seeking certification in middle level and high school level science. It is a comprehensive science methodology course for students in the College of Education. The basic philosophy of this course is to adapt constructivist methodology to science education. The infusion of Internet technology coupled with the National and Pennsylvania Standards in Science Education will call upon students to formulate instructional strategies that are both relevant and grade level appropriate. This graduate course will meet PA State CETP guidelines.
Prerequisites: SEU 342

SEU 420: Education Theory and Practice
This course is designed for post-baccalaureate teaching candidates who have already passed the Praxis II in their content area. This course will provide the preservice middle and high school teachers with strategies necessary to promote effective, creative, and scholarly middle and high school instruction. Major emphasis will be placed on providing the necessary background to develop courses, instructional units, and lessons. Instructional activities will be aimed at promoting the subject literacy of their students. Teaching candidates will gain insights into methods of effective communication and interaction with students, utilization of technology for laboratory research and reference, and methods of evaluating student achievement. Process skills as well as content will be strongly emphasized.

SEU 430WI: Mathematics Instructional Methods For Middle and High School
This course is an undergraduate and graduate level instructional methodology course designed to meet the needs of teacher candidates in the undergraduate Secondary Education program and Secondary Education Master's program seeking certification in middle level and high school level mathematics. This course focuses on the theories, methods, techniques, strategies, materials, technology, and assessment procedures applicable to the teaching of secondary school mathematics. Students will learn how to plan effective lessons, implement both state and national standards for mathematics, use appropriate technology, and prepare appropriate assessment instruments. In addition to completing written assignments, students will teach sample lessons to their peers and perform twenty hours of observation/service in the field.
Prerequisites: SEU 342

Social Media Theory & Strategy

SMS 101: Introduction to Social Media Theory and Strategy
A survey of contemporary theories of social media that focuses on how social media affects individuals, communities, and cultures. Particular attention will be paid to themes such as identity, privacy, access, participatory culture, attention economies, place, and law. Students will be able to evaluate and analyze how social media impacts social, economic, and civic lives.

SMS 224: Social Media Ethics
This course will explore the origins of ethical behavior and actions within the media and will look at both classical and contemporary approaches to ethical decision making and apply them to modern media practices, particularly social media. At the same time, the course will ask whether the media today are acting appropriately as regards ethical practice, and if not, why not. Not only does the course critique media practices but it will also search for suggestions that will most positively affect both the media institutions and the public with which they interact and upon which they rely for their livelihood.
Prerequisites: SMS 101 or COM 212 or WRI 212 or permission of the instructor.

SMS 322: User Experience Design and Research
This course explores the basic principles and practices of user experience design, usability testing, digital architectures, and user research. Students will develop an understanding of user-centered design (UCD) and will learn how to research user behaviors and experience.
Prerequisites: COM 245 (formerly COM 355)

SMS 380: Social Media Theory and Strategy Capstone
This course is designed as the capstone course for Social Media Theory and Strategy majors, aimed at providing students with the opportunity to integrate the knowledge and skills they have acquired within the major. It will also provide experiences for students to exhibit competent communication and/or technical skills learned during their program of study in order to prepare for a career in social media.
Prerequisites: Earned Sr. status, and SMS101, WRI 250, COM 305, ENG/COM 314 and MKT 351, or permission of the instructor.

SMS 390: Social Media Internship
Supervised professional field experience related to social media theory and strategy. Internship tasks and responsibilities will vary with participating organizations. This internship will be available to students interested in pursuing careers in social media.
Prerequisites: Earned Sr. status, and SMS101, WRI 250, COM 305, ENG/COM 314 and MKT 351 and a minimum of 2.0 cumulative GPA, or permission of the instructor.

Social Work

SWK 100CDCT: Introduction to Social Work and Social Welfare
This course provides an overview of the development of social welfare and social work practice. The historical development of social welfare is related to the emergence and the development of the social work profession. The course introduces knowledge, values, and skills as the common base of generalist social work practice. The problem solving approach to social work practice with multi-level system is introduced. Required of all social work majors.

SWK 130CDCT: Poverty and Social Welfare
This course defines poverty and examines groups in poverty in the United States. It traces poverty in America from a historical perspective, reviews major social welfare programs designed to respond to poverty and examines their effectiveness. Special populations and groups at risk encountered by social workers in practice will be examined with emphasis on viewing individual, family, and community functioning from a person-in-environment perspective. Major oppressive institutions and their effects on people in poverty are examined. Social work methods for social change to prevent, alleviate and resolve poverty are introduced.

SWK 160CD: Human Behavior and Social Environment
This course teaches students to evaluate and apply biological, psychological, and social theories to client's situation with a particular emphasis on the examination of the effects of the interplay of biological, psychological, social, economical and cultural elements of the social environment on human functioning. The impact of social and economic forces on the individual's behavior are presented. Systems promoting or deterring people in the attainment and maintenance of optimal health and well-being are explored with particular attention on the effects of these systems on ethnic and racial minorities, sexual minorities, women, and persons with disability. Required of all social work majors.
Prerequisites: SWK100 and SWK130 or by permission of the instructor.

SWK 200CMWI: The Professional Context of Social Work Practice
The course builds upon and reinforces the foundation of generalist social work knowledge, social work values, principles, ethics, attitudes, and skills introduced in the Introduction to Social Work Course. Students study the Code of Ethics of the National Association of Social Workers and practice ethical decision making. The course reinforces the skills necessary to implement the phases of the problem-solving approach to social work practice with multi-level client systems (individuals, groups, families, communities, organizations). Students will be required to participate in a 30-hour volunteer field/laboratory experience. Open only to Social Work majors and minors. A grade of "C" or better is required in this course to enter SWK 250.
Prerequisites: SWK160 or by permission of the instructor; Open to Social Work Majors and Minors

SWK 250: Social Work With Individuals: Practice I
The Social Work Practice with Individuals course starts a series of social work practice courses in which the skills of the problem solving approach are practiced with multi-level client systems (individual, groups, families, communities, and organizations). In this course students practice relationship building, interviewing techniques, case recording and further develop their problem-solving skills which were reinforced in the Professional Context of Social Work Practice Course. Students will be expected to participate in a laboratory experience involving a helping relationship project. Open to majors only. Required of all social work majors. A grade of "C" or better is required in this course to enter SWK 265.
Prerequisites: SWK200;ANT010; BIO010; BIO130 or BIO140;PSY125; ENG023; PHI010 or PHI020 or PHI030; SOC010; or by permission of the instructor ; Open to Social Work majors only

SWK 255WICD: Social Welfare Policy
The course defines social welfare policy in the context of social policy and examines its philosophical and historical roots. The policy making process is examined and the major actors associated with it are identified. A significant part of the course will be spent in the study of major welfare policies and the groups affected by them. Strategies and involvement of people for policy change are examined.
Prerequisites: SWK 100, SWK 130, POL 10 and or Permission of the Instructor

SWK 265: Social Work Practice With Groups and Families: Practice II
This course is the second in the series of social work practice courses in which the skills of the problem solving approach are practiced with multi-level client systems (individual, groups, families, communities, organizations). The course focuses on concepts, methods, and skills in social work practice with groups and families. Family development and dynamics will be studied and social work intervention techniques with emphasis on problem solving will be examined. Through class discussions, exercises and group projects, students will apply their understanding of group dynamics and family assessment, and demonstrate social work practice skills with groups and families. Required of all social work majors. Open to majors only. A grade of "C" or better is required in this course.
Prerequisites: SWK 250

SWK 280: Social Work Practice With Communities and Organizations: Practice III
This is the third course in a series of social work practice courses. This course reinforces and applies social work knowledge, values, and skills using the problem solving approach and focuses on intervention strategies with communities and organizations. Students practice generalist social work within a systems theory framework. A policy practice emphasis is applied for advocacy and change strategies with agencies and communities. Particular attention will be given to strategies of change with disenfranchised and minority populations. Required of all majors. Open to majors only. A grade of "C" or better in this course is required to enter SWK 381 and SWK 382.
Prerequisites: SWK 250

SWK 285: Essential Skills for Helping People
This is a course for social work majors and minors who wish to practice skills as they are carried out in professional social work practice. Students will engage in Problem-Based Learning, a cooperative learning experience in which the skills introduced in our social work sequence up to SWK 200 Professional Context of Practice, will be reinforced and practiced as students follow a case study from engagement and assessment to termination and evaluation. These skills will include developing empathy, creating professional relationships, active listening, strength-based assessment, self-assessment, policy analysis and advocacy, social work record keeping, practice evaluation, and the use of supervision in practice. Students develop an appreciation for life-long learning by engaging actively in a real social work case study, which provides the vehicle for the hands-on practice of course material. The course will count as an elective in the social work program.
Prerequisites: SWK 200

SWK 286: Social Work and Substance Abuse
This survey course provides students with an introduction to substance abuse. The students will explore current understanding of the prevention of substance abuse/dependence; components of comprehensive substance abuse treatment programs, populations at risk and evidence-based practice. The person-in-environment perspective will be used as an overarching framework for assessment, delivery, and evaluation of services. In addition, students will be introduced to the professional literature available for lifelong learning.
Prerequisites: SWK 160 for SWK majors and minors, or the permission of the instructor.

SWK 290: Social Gerontology and Social Welfare
This course is aimed at analyzing the process of aging from a sociological perspective and studying the resources that our society provides for the over-sixty population through social welfare measures. There will be double pronged emphasis: one placed upon various social problems confronting them in American society; the second emphasis will be on the array of social welfare services available, the social policies implicit in the provision of such services, and the social work practices that enable older persons and their families to secure such services.
Prerequisites: SOC 010 or SWK 100 for non-Social Work majors. Prerequisite for Social Work majors: SWK 100, 250 & SOC 10.

SWK 315: Human Services Administration and Social Policy
This is an analysis of the administrative and public policy processes in social welfare agencies. The course builds upon the foundations presented in Social Welfare Policy and specifically focuses on the unique values and needs of human service agencies.
Prerequisites: SWK 250 and SWK 255

SWK 320: Case Management - an Interdisciplinary Approach
The course will cover principles, theory, and the historical development of case management as an interdisciplinary method of delivering health and human services. Emphasis will be placed on the development of skill in implementing the phases of this method of practice (assessment, goal setting, case planning, monitoring progress, and termination and evaluation). Appropriate groups of client populations will be identified and issues related to their unique needs in relation to their social environment will be examined. Required: a grade of "C" or better for social work majors.
Prerequisites: SWK 250 or Permission of Instructor

SWK 321: Professional Dimensions of Case Management
This course is the second course in case management and is focused on the professional context of case management including behaviors and functioning of the case manager. Organizational and social policy context of case management are examined both at national and international levels. The course examines the case manager's use of self in exercising professional roles, duties, activities, and interactions with people served. The course covers the role of professional values that are necessary to practice case management across fields, disciplines, and clienteles. Various professional codes of ethics will be examined and ethical decision making techniques will be learned. Issues related to personal safety, conflict resolution, legal issues and documentation of services will be considered. Professional case management societies domestically and abroad will be studied with attention to cross national comparisons of best practice models.
Prerequisites: SWK 320 and SWK 321 are co-requisites of each other. Please enroll in SWK 320 first, then enroll in SWK 321.

SWK 325: Social Work and Human Sexuality
This course explores the socio-cultural, physiological, and psychological variables associated with human sexual expression, identity, orientation, and behavior. Attention will also focus on clinical issues most often presented in social work practice and women and gender studies by individuals and couples, e.g., desire discrepancy in couples and affairs outside a committed relationship. Specific sexual dysfunctions identified in the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) will be explored in terms of their etiology and the current treatment models used to address them. The field of Sex Therapy, past and present, will be discussed as well as the evidence-based practices for treatment. This course is not designed to create sex therapists but to help social workers feel more comfortable dealing with the sexual concerns of their clients.
Prerequisites: SWK 250 or Permission of Instructor

SWK 328: Child Welfare and Social Work Practice
This course introduces the student to the field of Child Welfare and examines both social policy and social work practice concerns. Emphasis will be placed on child protective services, foster care, and adoption. Developmental issues, as well as natural and foster family functioning will be studied. Special social work intervention strategies such as foster and adoptive family assessment, abuse assessment, and child advocacy will be learned.
Prerequisites: SWK 250 or Permission of Instructor

SWK 360CTQL: Methods and Practice of Social Work Research
The course reviews the classic social and behavioral research process and develops skills in formulating research problem(s) and questions, conducting a comprehensive literature review, establishing hypotheses, and choosing research designs. Data collection instruments, analysis techniques, and report writing are emphasized. Ethical and moral issues which arise when dealing with human subjects, as well as sensitivity to cultural diversity of the research participants are included. Emphasis is placed on social work practice evaluation techniques, including single-subject as well as experimental and quasi-experimental designs. Computers and information technology for social work practice are introduced. This course must be taken concurrently with SWK 382 or with permission of the instructor.
Prerequisites: POL/PSY/SOC200 or MAT140, or with permission of the instructor.

SWK 370: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 371: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 372: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 373: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 374: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 375: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 376: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 377: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 378: Selected Topics in Social Work and Social Welfare
This is a course for students of social work who wish to deal with a specific social work topic or system in greater detail than current curricular offerings permit. Topics will depend on needs and interests of eligible students. May be taken a maximum of three (3) times.
Prerequisites: SWK 250

SWK 379: Independent Study
The student must confer and reach agreement with the faculty member who will guide the independent study. The student and the faculty member must agree upon a topic, course content, evaluation procedures, reading list, and amount of credit prior to registration for the course. This material (course content, evaluation procedures, reading list, etc.) must be filed with, and receive the approval of, the faculty of the discipline involved and of the departmental chairperson. May be repeated for credit. Student must have completed 12 clock hours in the major to enroll.

SWK 381: Field Instruction in Social Work I
This is the first of two semesters (total 480 hours) of field instruction in social welfare agency settings which are required under the supervision of a professional social worker. Students apply foundation knowledge, skills, values, and ethics of professional generalist practice. Through supervision, students enhance their awareness of self, develop written and oral communication skills necessary for analysis of professional practice, and apply critical analytic skills for implementing and evaluating agency policies and programs. Students operationalize the unique values, functions and roles of professional social work practice and develop competency in identifying and assessing situations where the relationship of people and their social environment needs to be enhanced or changed. The professional responsibility of advocacy toward change and recognition of the impact of policy and programs on oppressed groups is an integral part of the applied learning. Open only to Social Work majors. Required of all Social Work majors. A grade of "C" or better is required in this course to enter SWK 383. Must be taken concurrently with SWK 382. Offered in fall only.
Prerequisites: SWK 250 and permission of the department. SWK 382 is a co-requisite.

SWK 382CTWI: Professional Seminar in Social Work I
This is the first of two semesters of Professional Seminar in Social Work which are required. The Seminars complement the Field Instruction and provide a structured learning opportunity where students process their practice experiences and integrate the common base of social work values, skills, and knowledge of generalist social work in a systems theory perspective. The Seminars also assist students to expand their knowledge of the human services field beyond the confines of their own placement. Topics and policies of social work and social welfare are discussed, based in large part, on the experiences of students in the field through written logs, client summaries, and classroom discussions of experiences including feelings about their social work practice. Open to Social Work majors only. Required of all Social Work majors. A grade of "C" or better is required in this course to enter SWK 384. Must be taken with SWK 381. Offered in Spring only.
Prerequisites: SWK 250 and permission of the department. SWK 381 is a co-requisite.

SWK 383: Field Instruction in Social Work II
This is the second semester of field instruction (a total of 480 hours) in social welfare agency settings which is required under the supervision of a professional social worker. Students apply foundation knowledge, skills, values, and ethics of professional generalist practice. Through supervision students enhance their awareness of self, develop written and oral communication skills necessary for analysis of professional practice, and apply critical analytic skills for implementing and evaluating agency policies and programs. Students operationalize the unique values, functions and roles of professional social work practice and develop competency in identifying and assessing situations where the relationship of people and their social environment needs to be enhanced or changed. The professional responsibility of advocacy toward change and recognition of the impact of policy and programs on oppressed groups is an integral part of the applied learning. An agency-based research project is required in this semester of fieldwork. Open to Social Work majors only. Required of all Social Work majors. Must be taken concurrently with SWK 384. Offered in Spring only.
Prerequisites: SWK 381, SWK 382 and permission of the department. SWK 384 is a co-requisite.

SWK 384: Professional Seminar in Social Work II
This is the second of two required semesters of Professional Seminar in Social Work. The Seminars complement the Field Instruction and provide a structured learning opportunity where students process their practice experiences and integrate the common base of social work values, skills, and knowledge of generalist social work in a systems theory perspective. The Seminars also assist students to expand their knowledge of the human services field beyond the confines of their own placement. Topics and policies of social work and social welfare are discussed, based in large part on the experiences of students in the field through written logs, client summaries, and classroom discussions of experiences including feelings about their social work practice. An agency-based research paper is required. Open to Social Work majors only. Required of all Social Work majors. Must be taken with SWK 383. Offered in Spring only.
Prerequisites: SWK 381, SWK 382 and permission of the department. SWK 384 is a co-requisite.

SWK 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

SWK 400: Foundations in Human Behavior in the Social Environment
This course, for foundation-year graduate students in social work, teaches students to critically evaluate and apply biological, psychological, and social theories to client situations across the lifespan. Effects of the interplay of biological, psychological, social, economical and cultural elements of the social environment on human functioning are examined. Systems promoting or deterring people in the attainment and maintenance of optimal health and well-being are explored with particular attention on the effects over the life course of these systems on populations at risk, ethnic and racial minorities, sexual minorities, women, and persons with disability.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 450: Foundations of Social Work Practice with Individuals
Students will learn a planned change process that includes relationship building, prevention, planning, interviewing techniques, case recording, termination and evaluation. Attention to the evolution of social work practice from an historical and international perspective will establish the context for this introduction to practice with individuals in the context of the agency setting. Students will be expected to participate in a laboratory experience involving a helping relationship project. Knowledge and skills relevant to engaging diversity in practice and advancing human rights and social justice will be emphasized. Issues of ethical decision-making, evidence based practice and professional identity will be integrated throughout the course. This course is required of all Master's of Social Work students.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 455: Foundations of Social Welfare Policies
This course, for foundation-year graduate students in social work, provides an historical perspective for understanding current issues in social work and social welfare. The policy making process is critically examined and the major actors associated with it are identified. A significant part of the course will be spent in the study of major welfare policies and the groups affected by them. Strategies and involvement of people for policy change are examined.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 460: Foundations of Social Work Research Methods
This course, for foundation-year graduate students, uses the scientific inquiry model for social and behavioral science research in social work practice. Students develop skills in formulating research problems and questions, conducting a comprehensive literature review, establishing hypotheses and choosing research designs, both quantitative and qualitative. Data collection instruments, analysis techniques and report writing are emphasized. Ethical issues related to human subjects, as well as sensitivity to the diversity of research participants are included. Emphasis is placed on social work practice evaluation techniques, including single-subject as well as experimental and quasi-experimental designs. Computers and information technology for social work practice are introduced. The use of appropriate statistical techniques in data analysis is covered.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 465: Foundations of Social Work Practice with Groups and Families
This course for foundation level graduate students in social work continues the study of the problem solving approach with multi-level client systems (individual, groups, families, communities, organizations). The course focuses on concepts, methods, and skills in social work practice with groups and families. Family development and dynamics will be studied and social work intervention techniques with emphasis on problem solving will be examined. Through class discussions, exercises and group projects, students will apply their understanding of group dynamics and family assessment, and demonstrate social work practice skills with groups and families.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 480: Foundations of Social Work Practice with Organization
This course for foundation level graduate students in social work continues the study of the problem solving approach with multi-level client systems (individual, groups, families, communities, organizations). This course reinforces and applies social work knowledge, values, and skills using the problem solving approach and focuses on intervention strategies with communities and organizations. Students practice generalist social work within a systems theory framework. A policy practice emphasis is applied for advocacy and change strategies with agencies and communities. Particular attention will be given to strategies of change with populations at risk.
Prerequisites: Acceptance in the MSW major OR permission of the department.

SWK 481: Foundation Internship I
This internship is the first of two foundation-level, graduate semesters (total 480 hours) of field instruction in social welfare agency settings which are required under the supervision of a professional social worker. Students apply foundation knowledge, skills, values, and ethics of professional generalist practice. Through supervision, students enhance their awareness of self, develop written and oral communication skills necessary for analysis of professional practice, and apply critical analytic skills for implementing and evaluation agency policies and programs. Students operationalize the unique values, functions and roles of professional social work practice and develop competency in identifying and assessing situations where the relationship of people and their social environment needs to be enhanced or changed. The professional responsibility of advocacy toward change and recognition of the impact of policy and programs on oppressed groups is an integral part of the applied learning, as is development of professional identity. A grade of "C" or better is required in this course to enter SWK483, Foundation Internship II. Must be taken concurrently with SWK482, Integrated Professional Generalist Social Work Practice Seminar I.
Prerequisites: Acceptance into the MSW program; SWK481 is a co-requisite, and permission of the department is required.

SWK 482: Integrated Generalist Social Work Practice Seminar
This seminar, the first of two for foundation-level MSW students, begins an effective bridge to align the liberal arts perspective expected of entering graduate-level students and the advanced level family-in-environment content. The following concepts will be introduced and reinforced: the history and philosophy of the social work profession, social work values and ethics, the Generalist Intervention Model of Social Work, populations at risk, cultural diversity, promotion of social and economic justice, and fields of social work practice. The Seminars complement the Field Instruction and provide a structured learning opportunity where students process their practice experiences and integrate the common base of social work values, skills, and knowledge of generalist social work in a systems theory perspective. The seminars also assist students to expand their knowledge of the human services field beyond the confines of their own placement. Topics and policies of social work and social welfare are discussed, based in large part, on the experiences of students in the field through written logs, client summaries, and classroom discussions of experiences including feelings about their social work practice. Must be taken concurrently with SWK481.
Prerequisites: Acceptance into the MSW program; SWK482 is a co-requisite, and permission of the department is required.

SWK 483: Foundation Internship II
This is the second semester of field instruction (a total of 480 hours) in social welfare agency settings which is required under the supervision of a professional social worker. Students apply foundation knowledge, skills, values, and ethics of professional generalist practice. Through supervision, students enhance their awareness of self, develop written and oral communication skills necessary for analysis of professional practice, and apply critical analytic skills for implementing and evaluating agency policies and programs. Students operationalize the unique values, functions and roles of professional social work practice and develop competency in identifying and assessing situations where the relationship of people and their social environment needs to be enhanced or changed. The professional responsibility of advocacy toward change and recognition of the impact of policy and programs on oppressed groups is an integral part of the applied learning. An agency-based research project is required in this semester of fieldwork. Must be taken concurrently with SWK484, Integrated Social Work Practice Seminar II.
Prerequisites: Acceptance into the MSW program, SWK481 and SWK 482, and permission of the department is required. SWK 484 is a co-requisite.

SWK 484: Integrated Generalist Social Work Practice Seminar
This seminar, the second of two for foundation-level MSW students, continues aligning the liberal arts perspective expected of entering graduate-level students and the advanced level family-in-environment content. The following concepts will be integrated: professional use of self, social work values and ethics in the context of the mandate of the setting, the Generalist Intervention Model of Social Work, populations at risk, cultural diversity, promotion of social and economic justice, and fields of social work practice. The Seminars complement the Field Instruction and provide a structured learning opportunity where students process their practice experiences and integrate the common base of social work values, skills, and knowledge of generalist social work in a systems theory perspective. The seminars also assist students to expand their knowledge of the human services field beyond the confines of their own placement. Must be taken concurrently with SWK 483.
Prerequisites: Acceptance into the MSW program, SWK481 and SWK 482, and permission of the department is required. SWK 483 is a co-requisite.

SWK 491: Internship for Advanced Standing I
Offered to advanced-standing MSW students, this internship is the first of two graduate semesters (total 480 hours) of field instruction under the supervision of a professional social worker. While foundation social work practice is based on 10 competencies and their associated practice behaviors, advanced practice augments these competencies with the development of a knowledge concentration specific to advanced generalist practice. The purpose of this internship is to bridge foundation and advanced studies by 1) highlighting those foundation competencies that are most significant to this programs mission, and 2) allowing students to develop the skill of articulating to a variety of constituents the connection between conceptual frameworks and their increasingly complex, multi-level practice behaviors. Through supervision, students enhance and articulate their awareness of self and further the development of a professional identity as social workers. They articulate critical analysis for ethical decision-making and practice implementation and engage in practice-informed research. They articulate methods of assessing and intervening to advance human and civil rights through an understanding of the impact of policy and the strengths and challenges associated with diversity. Responding to the context of practice, students learn the importance of agency function and worker role multi-level, advanced practice. Must be taken concurrently with SWK 492.
Prerequisites: Acceptance into the MSW program and permission of the department is required. SWK 492 is a co-requisite.

SWK 492: Generalist Social Work Practice for Advanced Stand
This seminar for advanced standing students complements the field instruction by providing a structured learning opportunity. While foundation social work practice is based in 10 competencies with the development of a knowledge concentration specific to advanced generalist practice. The purpose of this internship is to bridge foundation and advanced studies by 1) giving students the opportunity to integrate an articulate those foundation competencies that are the most significant to the programs mission, and 2) allowing students to articulate the connection between conceptual frameworks and their increasingly complex, multi-level practice behaviors. Students articulate verbally and in writing their process of developing a professional use of self and professional identification. They articulate critical analysis for ethical decision making, practice implementation and practice-informed research projects. They articulate methods of assessing and intervention to advance human and civil rights through and understanding of the impact of policy and the strengths and challenges associated with diversity. Responding to the context of practice, students learn the importance of agency function and worker role to multi-level advanced practice. The seminar assists students to expand their knowledge of the human services field beyond the confines of their own placement through their shared experiences as discussed in class. Must be taken concurrently with SWK 491.
Prerequisites: Acceptance into the MSW program and permission of the department is required. SWK 491 is a co-requisite.

SWK 493: Internship for Advanced Standing II
Offered to advanced-standing MSW students, this internship is the first of two graduate semesters (total 480 hours) of field instruction under the supervision of a professional social worker. While foundation social work practice is based on 10 competencies and their associated practice behaviors, advanced practice augments these competencies with the development of a knowledge concentration specific to advanced generalist practice. The purpose of this internship is to bridge foundation and advanced studies by 1) highlighting those foundation competencies that are most significant to this programs mission, and 2) allowing students to develop the skill of articulating to a variety of constituents the connection between conceptual frameworks and their increasingly complex, multi-level practice behaviors. Through increasingly reflective supervision, students enhance and articulate their awareness of self and further the development of a professional identity as social workers. They articulate critical analysis for ethical decision-making and practice implementation and complete a practice-informed research. They articulate methods of assessing and intervening to advance human and civil rights through an understanding of the impact of policy and the strengths and challenges associated with diversity. Responding to the context of practice, students learn the importance of agency function and worker role multi-level, advanced practice. Must be taken concurrently with SWK 494.
Prerequisites: Acceptance into the MSW program and permission of the department is required. SWK 491 & 492 are pre-requisites and SWK 494 is a co-requisite.

SWK 494: Generalist Social Work Practice for Advanced Stand
This seminar, the second of two incoming MSW students with advanced standing status, continues to provide a structured learning opportunity for students enrolled in field instruction. The course continues to bridge foundation and advanced studies by 1) giving students the opportunity to continue the process of integrating and articulating those foundation competencies that are the most significant to the programs mission, and 2) allowing students to practice the articulation of the integration of conceptual frameworks into their increasingly complex, multi-level practice behaviors. Emphasis is placed on the following: independent, practice-informed program evaluation; autonomous articulation of social work principles and professional identity; engagement of diversity in practice along with advocacy toward human rights and social justice; and professional use of self within the social work role as it exists in agency context. Must be taken concurrently with SWK 493.
Prerequisites: Acceptance into the MSW program and permission of the department is required. SWK 491 & 492 are pre-requisites and SWK 493 is a co-requisite.

Sociology

SOC 10CD: Principles of Sociology
The concepts, theories and methods that form the core of the sociological perspective on human behavior. This course is a prerequisite for all other SOC courses.

SOC 106: History and Culture of Turkey
Spanning two continents, Turkeys stands as a crossroads of some of the most important historical and cultural trends in the world. This course will explore the cultural history and current developments in turkey, through readings, lectures and study abroad experience in Turkey itself. Students will gain knowledge of the multiple historical influences on the development of Turkey by visiting major architectural, historical and archeological sites in various parts of the country. Students will also have an opportunity to experience and observe modern Turkish culture through lectures, participation in events, and visits to important Turkish institutions. This course will serve as a basis for a study abroad program in Turkey.
Prerequisites: Permission of Instructor

SOC 110CD: Contemporary Social Problems
Current problems of urbanization, personal pathology, family interaction, poverty and race are viewed within the context of social theory.
Prerequisites: SOC 10 or with permission of the instructor.

SOC 120CDWI: Marriage and the Family
An intensive analysis of contemporary marriage and family patterns and interactive processes in the United States viewed from historical and cross-cultural perspectives.

SOC 122CD: Intimate Relationships
This is a practical course designed to help students understand how cultural, economic, political, and social factors influence the various ways that intimate relationships among adults are formed, maintained, and either succeed or fail.

SOC 150: Law and Society
An introductory course that surveys selective legal and socio-political views on the place of the legal system in society. Attention will be given to contemporary issues which raise significant or troubling questions for the main theoretical themes, such as the historical basis for the principles of the "rule of law" or an "autonomous legal system" and the social conditions for their existence or nullification.

SOC 160WI: Sociological Imagination
This is an intermediate level course that emphasizes sociological approaches to writing and social analysis. Topics include the history of sociology, IRB, research methods, social scientific writing, theoretical approaches, and analysis of scholarly sources. This course is intended to prepare students for advanced courses in sociology, as well as provide opportunities for independent research.
Prerequisites: Student standing of Sophomore or Junior

SOC 165CD: Social Inequality
Theories of social class and mobility with a discussion of problems of measurement and differential levels of wealth, prestige and authority.

SOC 180: Sociology of Leisure
An analysis of work and leisure; their structure and functions in American Society; trends in the availability and use of leisure time and changes in preferred leisure activities.

SOC 200QL: Statistics for the Social and Behavioral Sciences
The purpose of this course is to introduce the student to the concepts of descriptive and inferential statistics. The results of any research should be summarized by appropriate descriptive statistics such as central tendency, variability, and the shape of the distribution. Relationships will be studied using correlation, regression, and chi-square. Research which involves sampling will be analyzed by appropriate inferential statistics such as t-tests and ANOVA. Sampling error, hypothesis testing, significance levels, Type I Error, Type II Error, and power will be discussed. In addition, the student will be introduced to SPSS for Windows, Microsoft Excel, and/or other appropriate software for performing descriptive and inferential statistical procedures presented throughout the course. No students (Sociology or non-Sociology majors) may receive credit for both POL/PSY/SOC 200 and SOC 201 due to substantial overlap.
Prerequisites: PSY 011 (Psychology majors need a ‘C’ or better) and MAT 017 or higher (except 040 Geometry, and 045 Women in Mathematics). Students that have passed SOC 201 with a grade or "D" or better may not take this course.

SOC 201QL: Quantitative Analysis in Sociology
The purpose of the course is to familiarize students with the basic concepts of quantitative analysis in sociological research and provide practical training in computer-assisted analysis at a beginner level. Emphasis is placed on hands-on experience with manipulation and analysis of quantitative data. Sociology majors may take either POL/SOC/PSY 200 or SOC 201 to fulfill core statistical training requirements. No students (Sociology or non-Sociology majors) may receive credit for both POL/SOC/PSY 200 and SOC 201 due to substantial overlap.
Prerequisites: SOC 10 & MAT17 and up (but not MAT 40or45)
PLEASE NOTE: Students who have taken SOC/PSY/POL 200 with a grade of "D" or better may not take this course.

SOC 207CDWI: Families and Social Class
This course will examine contemporary American families, focusing on the different ways in which social class can affect family life. Theories of social stratification will provide a foundation from which to study various social classes, including upper, middle, working, and lower classes. Family life issues to be covered in this course include mate selection, family size, childbearing patterns, marriage/divorce/cohabitation patterns, childrearing patterns, education, life chances, and social mobility. In addition, special attention will focus on the intersection of social class, race/ethnicity, and gender as multiple dimensions of advantage/disadvantage for families.
Prerequisites: SOC 010 Principles of Sociology.

SOC 208: Childhood and Adolescence in American Society
This course explores the social factors that influence children from infancy through adolescence in the United States. Through course reading, assignments, and discussions, the course will cover the social implications (such as the family, school, media, and health care) in which children interact and the social forces which effect and shape children. This course will also look at these social institutions and the social world of children from children's perspectives, viewing children as active social participants with their own values and subcultures. The course will be of interest to those concerned about issues of social welfare and public policy as well as those who plan to work with children and adolescents.
Prerequisites: SOC 010 Principles of Sociology.

SOC 213CDWI: World Religions
This course will examine the great "World Religions" Judaism, Christianity, Islam, Hinduism, Buddhism, and East Asian Religions in terms of their historical developments and contemporary manifestations. The course will cover basic techniques of scriptural exegesis, explore the historical roots and expansion of each religion, and examine how the religions have diversified in the face of cultural and political developments locally and globally. Special focus will be given to religious issues that are involved in major geo-political conflicts, such as the attacks of September 11, 2001, the rise of fundamentalism around the world, and the conflicts in the Middle East and South Asia.
Prerequisites: ANT 10 or the permission of the instructor.

SOC 214VL: Sociology of Visual Culture
The goal of this course is to provide students with skills for observing, analyzing, describing and critiquing visual imagery from a range of diverse theoretical perspectives. In particular, this course will emphasize 1) the significance of the "visual" in society 2) methods of "reading" visual material/productions 3) the role of the "visual" in sociological research.
Prerequisites: ANT 10 or SOC 10

SOC 217CD: LGBTQ Studies
The purpose of the course is to introduce students to Lesbian, Gay, Bisexual, transgender, and Queer (LGBTQ) Studies. It will trace the conceptual distinctions drawn between sex, gender, and sexuality, as well as the history of diverse genders and sexualities. It will also examine contemporary issues facing LGBTQ individuals and communities. Emphasis is placed on feminist and social constructionist approaches to studying LGBTQ issues.

SOC 220CD: Juvenile Delinquency
An analysis of the nature, type and incidence of delinquency within social milieu; an examination of the social characteristics of delinquents and the theories of delinquency, evaluation of the techniques of prevention and control by social agencies, and trends in delinquency.

SOC 222: Rural Poverty
This course centers of the sociology of poverty in rural areas in the United States as well as in other, particularly third-world nations. The sociology of poverty is part of the broader study of stratification, a core substantive filed in the discipline. The course situates the topic of rural poverty into sociological theories and research on stratification. However, sociological theory and research on poverty and inequality are often aspatial or have an urban bias. We thus go beyond conventional approaches to studying poverty and add a spatial dimension. Our focus is: "Who gets what, where and why?" Attention is to spatial inequalities in socioeconomic well-being within the U.S. and cross-nationally.

SOC 224CDCT: Immigration and Assimilation
This course seeks to expose students to the recent social literature on contemporary immigration to the United States, its origins, adaptation patterns, and long-term effects on American society. It focuses on why people move and the policies that let some people in while keeping others out. Consideration is given to the process by which foreign "outsiders" become integrated in their new home; of particular interest are debates around "straight-line" and "segmented" assimilation. This course also sheds light on second-generation immigrants' identity, mobility and integration into the dominant culture. The course ends with an overview on the future of immigration, challenges faced by undocumented immigrants and policies and debates that surround the attempt to 'fix' our broken immigration system.

SOC 227: Work and Workplaces
Moving beyond viewing work as purely economic activity, this course examines the social and cultural aspects of work and workplaces. Non-industrial and industrial work will be examined in cross-cultural settings, focusing on the role of work in affecting identity, status and meaning. Particular emphasis will be placed on work in the contemporary global economy in both industrialized and post-industrialized countries. Course readings will be drawn from ethnographic studies carried out by both anthropologists and sociologists.

SOC 230CDCT: Urban Sociology
This course examines urban life in both the United States and globally with emphasis on patterns of city growth, social ecology and urbanism as a way of life. Other topics may include: built environment, migration, globalization, political-economy, and sustainability.

SOC 232CDWI: Marriage and the Family in Cross-Cultural Perspective
This course examines the forms taken by marriages and families in various world societies. The following questions will be addressed: What aspects of marriage and family are the same for all humans, and what aspects are variable? What factors account for major cross-cultural differences in the organization of marriage and the family? Why are some features the same (or nearly so) all over? Is there a biosocial base? How are marriage and family relationships used as metaphors in organizing other aspects of social life?

SOC 235CDWI: Sociology of Gender
The course will deal with the implication of the sociological perspective on gender differences in contemporary society. More specifically, discussion will be focused on such aspects as gender inequality as an aspect of social stratification, origins of gender differences, gender socialization, gender and social policy, gender and personal relationships, and the future of gender.

SOC 240: Population Problems
An exploration of the causes and consequences of population pressures with special attention to the impact of population growth on resources and environment.

SOC 241CD: Race And Ethnicity
The sources and consequences of prejudice and discrimination; minorities in the social structure; strategies and programs to prevent and control inter-group tensions and conflicts.

SOC 245CD: Sociology of Deviance
Selected kinds of behavior which violate group norms; the processes through which deviance is learned and performed; the consequences of deviant behavior in terms of societal reactions.

SOC 246CDCT: Globalization and Development
This course surveys the social causes and consequences of underdevelopment in Third World societies. One of its basic premises is that development and underdevelopment must be defined in terms of quality of life as well as strictly economic indicators. A prominent (but not exclusive) focus is the problem of world hunger. This issue is used as a gateway to other significant development related issues (e.g. population, industrialization, urbanization, rural development).
Prerequisites: ANT 10 or SOC 10

SOC 247WI: Environmental Sociology
This course examines the intersection of different environments and social life from both a U.S. and global perspective. Topics covered may include: built environments, environmental racism, natural disaster, famine, sustainability, urban development/sprawl, and social movements.
Prerequisites: ANT 10 or SOC 10

SOC 250: Criminology
An intensive review of the major theories of criminal behavior and their applications in crime prevention and control. Examination of leading crime types and criminal behavior systems.

SOC 270: Sociology of Organizations
The study of modern man's interactions to and within large-scale organizations with emphasis on the characteristics and structure of bureaucracy.

SOC 271: White Collar Crime
This class is designed as an intermediate level sociology course for students interested in the scientific study of white collar crime. The course will examine various individuals and businesses that commit white collar crimes, the contributing factors for these types of crimes, the various methods of detection and measurement of these crimes, the different types of white collar crime and their effects on the specific victims and society in general and the theories attempting to explain the causes of white collar crime.

SOC 275: Social Foundations of Human Behavior
This course deals with the paradox of society's persistence and the individual's uniqueness. The focus of discussion will be on the question: How can we explain how men are held together and, at the same time, set apart? The course will be organized from the theoretical perspective of symbolic interaction within sociology.
Prerequisites: 6 s.h. in Sociology or permission of the instructor.

SOC 280CD: Social Movements
The purpose of this course is to introduce students to the concept of social movements and collective behavior. It will examine earl interests in crowds, riots, and manias, as well as how the rise of early movements like the civil rights and women's rights movements created broader recognition and interest in the various ways people mobilize and challenge institutionalized politics. It will address what social movements are, how they come to be, who is involved in them, how the larger society shapes them, and how they influence society.

SOC 290: Social Gerontology and Social Welfare
This course is aimed at analyzing the process of aging from a sociological perspective and studying the resources that our society provides for the over-sixty population through social welfare measures. There will be double pronged emphasis: one placed upon various social problems confronting them in American society; the second emphasis will be on the array of social welfare services available, the social policies implicit in the provision of such services, and the social work practices that enable older persons and their families to secure such services.
Prerequisites: SOC 010 or SWK 100 for non-Social Work majors. Prerequisite for Social Work majors: SWK 100, 250 & SOC 10.

SOC 310: Foundations of Sociological Theory
Consideration of the significant developments in sociological thought. Special emphasis will be placed on the contributions of Marx, Weber, Simmel, Pareto, and Durkheim.
Prerequisites: Jr. Level or above

SOC 335CTWI: Ethnographic Research Methods in Anthropology
Students learn methods of anthropological field research. This course introduces students to basic issues concerning ethnographic research and description. Students learn qualitative research methods, use these methods to gather information and then report on their findings.
Prerequisites: ANT 10 or SOC 10

SOC 350CTWI: Methods of Social Research
An introduction to sociological research covering research design, data collection, processing, and analysis, sampling, evaluation of research studies.

SOC 370: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 371: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 372: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 373: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

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Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 376: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 377: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 378: Selected Topics in Sociology
Extensive readings, critical evaluations and papers on selected research monographs. Selection of topics will vary, depending upon the needs of eligible students. This course may be repeated for credit.

SOC 379: Independent Study
Before registering the student is required to consult with the faculty member in the discipline to be studied who will supervise the independent study. May be repeated for credit.

SOC 380CMWI: Senior Seminar in Sociology
This course consists of readings and discussions in the area of the individual student's interest in preparation for the comprehensive examination in Sociology. Required of all Liberal Arts students majoring in Sociology.
Prerequisites: 88 credits completed

SOC 390: Internship in Sociology
The student is placed in a sociological fieldwork situation in which practical vocational experience can be acquired in some agency or institution related to the student's future career plans. Interested students should apply through their advisor.
Prerequisites: Jr. Level or above

SOC 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

SOC 450: The Sociology of Education: School and Modern Society
The educational system in the United States is viewed from a sociological perspective, focusing upon the social forces that shape the schools and the internal social structure and processes which influence its mission in society.

Spanish

SPA 101: Elementary Spanish I
SPA 101 is an introductory level course for students with no previous or minimal experience in the language.

SPA 102: Elementary Spanish II
SPA 102 is the sequence to SPA 101 and is designed for students with one semester of college Spanish or one year of high school Spanish Emphasis is on oral aspects of the language with substantial work on reading and writing skills and an introduction to Hispanic culture.

SPA 103: Intermediate Spanish III
Students who have satisfactorily completed Elementary Spanish I and II, or equivalent, continue the development of the basic skills in aural comprehension, speaking, and writing. In addition, emphasis is placed on independent readings.

SPA 104: Intermediate Spanish IV
Students who have satisfactorily completed Elementary Spanish I and II, or equivalent, continue the development of the basic skills in aural comprehension, speaking, and writing. In addition, emphasis is placed on independent readings.

SPA 105: Intermediate Spanish for Business I
This course, the first half of the Intermediate Spanish for Business sequence, integrates a four-skills approach to intermediate Spanish with an emphasis on real-life language tasks involving business contexts and Hispanic cultures. Topic-specific business vocabulary and thematic readings are emphasized while incorporating the "5C's" of second language acquisition (communication, cultures, connections, comparisons, and communities). (Taught in Spanish).
Prerequisites: SPA 12 or permission of instructor

SPA 106: Intermediate Spanish for Business II
This course, the second half of the Intermediate Spanish for Business sequence, integrates a four-skills approach to intermediate Spanish with an emphasis on the continued study of real-life language tasks involving business contexts and Hispanic cultures. Topic-specific business vocabulary and thematic readings are emphasized while incorporating the "5C's" of second language acquisition (communication, cultures, connections, comparisons, and communities). (Taught in Spanish).
Prerequisites: SPA 105 or permission of instructor

SPA 110: Spanish for Educators
This course is designed to introduce to educators and participants the language and the culture of the different groups that make up the Spanish-speaking community in the areas surrounding Kutztown University. Participants will be learning the basics of the Spanish language, which will allow them to better communicate in Spanish with both learners and their parents/guardians who speak Spanish. In addition to introducing the Spanish language, this course will include a selection of films, readings written by Hispanic authors dealing with the Hispanic experience in the USA, and speakers from the Hispanic community.

SPA 207WI: Writing in Spanish for the Professional World
This course focuses primarily on written forms created in the professional world, including but not limited to letters, memoranda, email, and business reports, such as executive summaries and minutes from meetings. Through modeling and practice of forms, researching external sources, and a variety of hands-on activities and projects, students will gain experience communicating in a professional environment. In addition to written forms, this course also allows students to practice job interviewing and to analyze team dynamics during group projects. (Taught in Spanish).
Prerequisites: SPA104 or SPA 106 or permission of the instructor

SPA 212WI: Spanish Composition
This course is designed to improve the student's writing skills in Spanish. Special attention will be devoted to learning some of the basic types of writing: descriptive, narrative, expository, persuasive and the research paper.
Prerequisites: SPA 104

SPA 213CM: Advanced Conversation in Spanish
This course is designed for students who have successfully completed the intermediate level of Spanish (022 or the equivalent) and who are not "native" speakers of Spanish. The focus is on oral communication in Spanish. The course will be conducted in Spanish and oral projects will be used for purposes of grade assessment.
Prerequisites: SPA 104

SPA 214CDCM: Written and Oral Communication for Spanish-speaking Heritage Learners
Written and Oral Communication for Spanish-speaking Heritage Learners (SHLs) is a course designed for those learners who are currently and linguistically connected to the Spanish-speaking community in PA and beyond. The aim of this course will be to offer enhanced/increased oral and written proficiency of Spanish as it explores the linguistic diversity of Latinos through activities aligned with the three modes of communication: interpretive (reading and Listening); interpersonal (authentic oral and written interpersonal communication); and presentational (writing and speaking). This course will also serve to reconnect SHLs to cultural issues of their community. (In Spanish)

SPA 220: Applied Linguistics in Spanish
Introduction to general linguistics, emphasizing the practical application of the basic structural and phonetic patterns of Spanish to language teaching. Students will be introduced to the fundamental principals of phonology, morphology, syntax, semantics, language acquisition, foreign language acquisition, foreign language methodology, sociolinguistics and neurolinguistics. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 222: Don Juan in the Western World
Don Juan in the Western World explores the influence of the legendary Spanish figure of Don Juan on the literature, music and film of Western Europe and the Americas. All works not originally written in English will be studied in their English translation. This course will be taught in English.

SPA 225: Introduction to Spanish/English Translation
This course develops basic knowledge, skills and techniques required for translation as well as continued growth of linguistic resources such as vocabulary, structures and style within a Spanish/English linguistic and cultural context. The student will learn how to address translation problems related to culture and language as well as the fundamentals of applied translation from different fields such as medicine, advertising, sports, computer science, etc. The student will also acquire basic knowledge of translation theory.
Prerequisites: SPA 212 or permission of the instructor.

SPA 230: Cultural Issues through Spanish-language Film
This course is designed to introduce students to the culture, history, politics, social and economic issues of the Spanish-speaking world through film. Problems such as immigration, exile, gender issues, the role of minorities in the modern world, the Spanish-speaking world in the age of globalization, and other important topics, are all present in Spanish-language film. This course will require the viewing of films outside the regular classroom hours. (Taught in Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 247: Modern Latin American Literature in Translation
An in-depth study of outstanding Twentieth Century literary works of Latin American writers. The survey will include representative works from the major literary genres: novel, essay, short story, drama and poetry.
Prerequisites: ENG23, ENG24 or ENG25

SPA 251: Survey of Spanish Literature in Translation I
This course traces the development of Spanish literature from its origins through the nineteenth century. Representative Readings of the major literary types (In English translation).

SPA 252: Survey of Spanish Literature in Translation II
This course traces the development of Spanish literature from the nineteenth century through the present. Representative readings of the major literary types (In English translation).

SPA 291: Advanced Business Practices and Cultures I
This course will build upon the foundation of Spanish business vocabulary, discourse and practice laid in SPA 105/106 while developing conceptual knowledge of general management, accounting and finance principles. The course will also develop geographic literacy and cultural understanding of the Spanish-speaking world with a primary emphasis on Spain, Mexico, and Central America. (Taught in Spanish).
Prerequisites: SPA 207or SPA 212 or permission of the instructor

SPA 292: Advanced Business Practices and Cultures II
This course will build upon the foundation of Spanish business vocabulary, discourse and practice laid in SPA 105/106 while developing conceptual knowledge of goods and services, marketing and markets, including financial markets. The course will also develop geographic literacy and cultural understanding of the Spanish-speaking world with a primary emphasis on South America and the Caribbean. (Taught in Spanish).
Prerequisites: SPA 207or SPA 212 or permission of the instructor

SPA 301: Survey of Spanish Literature I
The development of Spanish literature from its origins through the end of the eighteenth century. Representative readings of the major literary types. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 302: Survey of Spanish Literature II
A survey of the literature of Spain of the nineteenth century to the present. Representative readings of varied literary types. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 311: Spanish American Literature to 1910
SPA 311 will survey the development of Spanish American Literature from its origins to 1910. Representative readings of the major literary types. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 312: Spanish American Literature from 1910 to the Present
SPA 312 is a continuation of SPA 311 and will survey the development of Spanish American Literature from 1910 to the present day. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 315: Rebels and Romantics
This course focuses on the Romantic movement in Spain. From a nuanced understanding of the late eighteenth century to a discussion of the "death" of high Romanticism in 1844, the class centers on the political and historical context of liberal Romanticism with its emphasis on individualism, alienation, freedom, rebellion, national history and poetic genius. (Taught in Spanish).
Prerequisites: SPA 212 or permission of the instructor.

SPA 320: Contemporary Spanish Novel
SPA 320 will survey the development and history of the Spanish Peninsular Novel from 1898 to the present. Representative works and authors from this period will be studied. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 325WI: Advanced Syntax and Stylistics
This course is designed for those who have successfully completed SPA 212, and who are ready for additional work toward mastering the fine points of syntax. In addition, the course will offer extensive practice in analyzing literary and colloquial styles and will provide the practice needed to develop the ability of the student to express him/herself in writing and speaking in acceptable idiomatic styles. Greater proficiency, ease and enjoyment in reading prose and poetry in various styles will be a concomitant result of the course. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 330: Contemporary Spanish Drama
This course studies the development of modern and contemporary Peninsular Spanish Drama from 1898 to the Present. Representative works from the Generation of '98, the Spanish Civil War, Franquist Spain, and the New Democratic Spain will be studied. The course will include extensive reading of plays as well as written and oral work on criticism, history, authors and periods. (In Spanish.) A trip to NYC or Philadelphia to see a play is a course requirement.
Prerequisites: SPA 212 or permission of the instructor.

SPA 339: Latin American Popular Culture
This course examines Latin American popular culture from the nineteenth century to present. The primary focus is on defining popular culture versus high culture through comics, film, telenovelas (Spanish soap operas), fashion, music, art, festivals and religion. (Taught in Spanish).
Prerequisites: SPA 212 or permission of the instructor.

SPA 340: Spanish Culture and Civilization
Spanish life and culture from its origins to 1898 as seen in literature, art, music and philosophy. The folklore, linguistic and social aspects of culture will also be covered to acquaint the student with the complexities of the national background. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 341: Modern Spain 1898 - Present
Modern Spain 1898 - present is designed as a socio-political-economic study of Spain since the loss of her colonial empire. It is a study of historical, literary and cultural trends and genres as well as the development and progression of the arts and literatures in Spain within the context of the growth and development of its social, economic and political institutions. The course will relate developments in Spain to those in Europe and the world. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 343: Bilingualism and Sociolinguistic Issues in the Spanish Speaking World
This course examines Hispanic bilingualism and sociolinguistics, with particular emphasis on Spanish in the U.S., but includes Spanish in contact with other languages throughout Latin America and Spain. In this course we will consider language contact from historical, sociological, theoretical, educational and political perspectives. This course will be taught in Spanish.
Prerequisites: SPA 212 or permission of the instructor.

SPA 345CDVL: Latin American Culture and Civilization to the Nineteenth Century
A selective study of important Latin American historical, social, literary and cultural trends and artistic movements and values from the pre-Columbian period to the nineteenth century. Emphasis will be placed on the Latin American versions of key Western-period terms such as: Renaissance, Baroque and the Enlightenment. Some literary selections and artistic works are selectively introduced in order to illustrate the cultural trends under study. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 346: Latin American Culture and Civilization from the Nineteenth Century to the Present
This course, which could be taken independently from the previous, continues the study of important Latin American cultural trends and values from the nineteenth century to the present. Emphasis will be placed on the Latin American versions of key Western-period terms such as romanticism, avant-garde approaches as well as on locally generated movements such as Modernismo, Arielismo, Indigenismo, etc. Some literary selections and artistic works are selectively introduced in order to illustrate the cultural trends under study. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 348CDCT: Mexican Culture and Civilization
This course is a panoramic exploration of the depth and variety of Mexican Culture and Civilization. This course will incorporate a multidisciplinary approach to the historical, political, cultural, artistic, and socio-economic movements that have influenced and continue to influence Mexico as a nation. Cultural manifestations such as art, music, narrative texts and film will be examined. Oral and written practice in critical thought will further mastery and expression of the Spanish language. The course is taught in Spanish. Three semester hours. Three contact hours.
Prerequisites: SPA 212 or permission of the instructor.

SPA 350: Spanish Drama of the Golden Age
This course will present the development of the Spanish national drama in the Sixteenth Century and its culmination in the latter part of the Seventeenth Century. Students will become familiar with the contribution of the Spanish theater to the development of a national awareness and those traditional values considered to be essentially Spanish. Students will become familiar with the versification forms used by the dramatists of the era. (In Spanish.) SPA 212 or permission of instructor.

SPA 355: Spanish Literature of the Golden Age
Emphasis on the development of the different forms of the Spanish novel, the various genres of poetry and dramatic developments of the period. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 358: Voices of Central America
A multi disciplinary introduction to contemporary Central America, this course, taught in Spanish, will explore the following aspects of Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panama and Belize: Peoples, geography, arts, and literature in a socio-political, economic and historical framework. The course will use extensive Internet resources, film, theatre as well as guest lectures. Some off-campus activities will be required.
Prerequisites: SPA 212 or permission of the instructor.

SPA 360: Study Abroad Experience
This course permits approved study abroad experiences to be counted in the student's Spanish major (B.A. and B.S.Ed.), minor or concentration. Prior to an approved study abroad experience, any students majoring in Spanish may, with the input and approval of her/his advisor, request that 1-6 credit hours be granted toward her/his major based on the activities to be undertaken. Any student minoring in Spanish or seeking a concentration in Spanish may request that 1-3 hours be granted based on the activities to be undertaken. Students are required to prepare a written request to the advisor giving a description of activities and a rationale for requesting credit. This course is available only to students majoring, minoring or earning an Elementary Education concentration in Spanish who complete an approved study abroad program and meet evaluation standards approved by the Spanish advisor.

SPA 363CTWI: Spanish and Entrepreneurship
In this course, students will develop the habits and skills necessary to become entrepreneurs, or to apply the entrepreneurial leadership mindset to their work as employees, with a particular in-depth focus on the use of the Spanish language and an understanding of Hispanic cultures as they pertain to entrepreneurship in the Spanish-speaking world and its place within the global business context. The course, taught in Spanish, is usable for the Spanish major and minor.
Prerequisites: SPA 207 or permission of the instructor.

SPA 368: The Caribbean: Race, Gender, and Cultural Politics
This course is a study of the cultural politics of identity formation in the Spanish-speaking Caribbean, particularly in Cuba, Puerto Rico and the Dominican Republic. Areas of focus will include: the textual and cinematic representations of slavery and of the Afro-Caribbean experience, from anti-slavery works through la poesía negra to the more recent manifestations of Afro-centrism; the Siboney movement; the Taíno revival; and Pan-Caribbeanism. The class is primarily discussion with some lecture. (In Spanish)
Prerequisites: SPA 212 or permission of the instructor.

SPA 370: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)

SPA 371: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 372: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 373: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 374: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 375: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 376: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 377: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 378: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 379: Selected Topics in Spanish
This course entails an intensive study of a selected literary topic not included or not covered in depth in other Spanish courses. May be repeated for credit. (In Spanish.)
Prerequisites: SPA 212 or permission of the instructor.

SPA 380CDCT: Senior Seminar in Spanish
This course consists of extensive readings, intensive oral work in the form of discussions and in-class presentations, and written paper(s) in preparation for the comprehensive exams in Spanish. The content of the course will revolve around solidifying the students' knowledge of literary periods, characteristics and genre, principal authors, and their works with their historical and cultural content.
Prerequisites: 27 Credits minimum at 200-level or above

SPA 390: International Internship in Spanish
This course is designed for the student wishing to spend an extended period of time abroad or at an approved domestic agency/organization in either an internship situation or non-traditional studies. Students must demonstrate that the internship or non-traditional program will be conducted in the foreign language of study and will be adequately supervised. They must present written details of the program including objectives and methods of study to their academic advisor for approval prior to the period of study. Students must also present a written journal, paper or other relevant materials to the Advisor on their return and be prepared to make a presentation about their experiences (1 - 9 hours).

SPA 395: Independent Study in Spanish
Independent Study in Spanish.

SPA 413: Major Spanish American Novelists of the New Narrative Period
This course is an intensive study of representative novels by major Spanish American writers of the "New Narrative Period." This period spans approximately five-and-one-half decades, from the mid-forties to the present. The course will focus on the writers' new visions and interpretations of the history, mythology and present realities of the Spanish American world. Additionally, the course will link the thematic content to the stylistic and structural innovations made by these authors in creating the "new Spanish American novel." (In Spanish)

SPA 414: Major Spanish American Short Story Writers of the New Narrative Period
This course is an intensive study of representative collections of short fiction by major Spanish American Writers of the "New Narrative Period." The course also provides the students with the opportunity to study in depth and apply the latest critical approaches to textual analysis. (In Spanish)

SPA 415: Mexican Literature: Voices of a Nation
This advanced course examines the complexity of Mexican Literature particularly as relates to the development and expression of national identity. This course will focus on a variety of narrative discourses (novel, short story, drama, essay and poetry) while contextualizing said narratives within appropriate cultural and historical chronologies. In-depth practice with literary and cultural analysis will be accompanied by opportunities for increased proficiency in oral and written expression. (In Spanish)

SPA 425: Advanced Spanish Grammar and Composition
This advanced course examines the finer points of advanced Spanish grammar. With an emphasis on composition, an intensive analysis and practice of the typical "problem areas" (such as the preterite vs. the imperfect, the indicative vs. the subjunctive, ser vs. estar, por vs. para etc.) will be approached through a contrastive method that is particularly insightful for individuals conversant in Spanish and English. In addition, the course will offer extensive practice in analyzing literary and colloquial styles and will provide necessary practice to further mastery and expression (oral and written) of acceptable idiomatic styles. Greater proficiency, ease, and enjoyment in reading as well as an increased awareness of cultural manifestations in writing will be concomitant results of the course. (In Spanish)

SPA 431: Modern Spain through Literature and Film
This course studies the major political, cultural, social and economic changes that have taken place in Spain during the second half of the 20th century. Special attention is paid to the following periods: the civil war, the postwar period, the economic boom in the sixties, the transition from dictatorship to democracy and the establishment of democracy. The films and novels studied in this course dramatize the major events that have shaped Spanish history since the end of the Civil War. (In Spanish)

SPA 435: Modern Latin American Drama
An intensive study of representative theatre works by major Spanish American, Central American, Mexican and Caribbean dramaturges of the twentieth century with an emphasis on the contemporary period. Students will read and evaluate plays and study appropriate critical approaches to modern theatre within the context of socio-political, economic and historic conditions and events. Attendance at selected plays is required. (In Spanish)

SPA 447: Mexican Culture and Civilization
This course is an intensive exploration of the depth and variety of Mexican Culture and Civilization. This course will incorporate a multi-disciplinary approach to the historical, political, cultural, artistic, and socio-economic movements that have influenced Mexico as a nation. Various cultural manifestations will be examined including art, music, narrative texts and film. Extensive oral and written practice in critical thought will further mastery and expression of the Spanish language. (In Spanish)

SPA 460: Hispanic Literature in the USA
This course is an in-depth study of several Hispanic writers writing in Spanish in the USA. It includes representative works from all major literary genres: novel, essay, short story, drama and poetry. Except for a few short texts written in English, the majority of the works are written in Spanish. (In Spanish)

SPA 470: Selected Topics in Spanish
This course offers an intensive study of literary topics, cultural phenomena, styles, trends, criticisms, and writers not included or not covered in depth in other Spanish courses.

SPA 495: Independent Study in Spanish
This course, which shall be taught in Spanish, is for students who wish to study and explore, in depth, aspects of Spanish and Latin American literatures, cultures and societies or a special topic in Spanish language. It is open to both graduate and undergraduate students. Students may register for this course more than once, up to a maximum of six semester hours of credit, so long as they do not repeat the same topic. The student must confer and reach agreement with the faculty member who will guide the independent study. The student and the faculty member must agree upon a topic, course content, evaluation procedures, reading list, and amount of credit prior to registration for the course. This material (course content, evaluation procedures, reading list, etc.) must be filed with and receive approval of the majority of Spanish professors and of the departmental chairperson.

Special Education

SPU 101: Early Intervention for Students with Disabilities
The course is designed for perspective teachers of students with disabilities. This course will cover early intervention programming. Knowledge of preventing the full impact of a disability on a child, providing general curricula and instruction, universal design of instruction, disability specific instruction that meets the needs of the child's addressing disability, cultural, and language diversity from birth to age 8, and the transition to preschool or school age programming will be addressed.
Prerequisites: College of Education majors only

SPU 200: Reading, Writing, and Teaching Unified English Braille
This course provides knowledge and skills in reading and writing braille 1 and 2 in the Unified English Braille code. It presents an overview of other means of communication used by the blind, including those with multiple disabilities. Experiences are structured to include writing braille with a Perkins Braille Writer, reading and transcribing braille material, basic textbook formatting, methods of teaching braille reading, and an introduction to computer systems used to produce Braille.
Prerequisites: SPU 201

SPU 201CD: Cognitive Development of Diverse Learners in a Standards Aligned System
This course provides the knowledge base to the terminology, identification, and issues commonly encountered when addressing the needs of diverse students with disabilities. Emphasis will be placed on diversity issues, federal and state legislative mandates pertinent to nondiscriminatory assessments, parental involvement and individualized educational plans; and professional practice and foundations in special education.
Prerequisites: Open to students in the College of Education or in the majors of Art Education or Music Education.

SPU 202: Orientation and Mobility for Teachers of Students with Visual Impairment, including Deafblindness
This course covers exploration of space in the home and school environment and the wider community according to individual needs of students with visual impairments. Practical experiences are provided in orientation and mobility training under conditions of simulated blindness. Experiences are structured to sequentially afford environmental situations of increasing complexity. Students will learn how to utilize functioning sense modalities in conjunction with specially designed mobility techniques for the purpose of teaching individuals how to move safely, effectively, and independently in the environment.
Prerequisites: College of Education majors only

SPU 204: Anatomy of the Eye and Related Assessment of Students with Visual Impairments
This course provides lectures and demonstrations on anatomy and physiology of the eye. The course will cover structure and function of the eye, causes and implications of eye conditions, clinical assessment, functional vision assessment, environmental assessment, and stereotypical behavior assessment. This course will provide an introduction to learning media assessment. This course will cover the foundations of working with students with low vision. This course will discuss the relationship of visual impairment to other disabilities, neurological aspects of visual impairments, and educational implications. The course will provide opportunities for student use of low vision aids, activities with low vision simulation, and completion of a functional vision assessment, including environmental assessment, and stereotypical assessment.

SPU 216: Evidence-Based Practices in Mathematics for Students with Disabilities
This course presents an in-depth study in the teaching of mathematics for special education majors using evidence-based practices. The course will present research-based methods that have been effective for students with disabilities in the area of mathematics. A variety of interventions and resources will be used to address specific mathematical skills. These interventions and resources will be integrated into daily instructional plans and/or used as a replacement academic resource. An emphasis on evidence-based practices in mathematics and procedures for mathematical interventions for students with disabilities ranging from the primary level of education to the secondary level will be introduced in this course.
Prerequisites: MAT 103 with a grade of "C" or better, MAT 104 with a grade of "C" or better and SPU 201.

SPU 221WI: Assessment for Students with Visual Impairments
This course addresses the assessment of students with visual impairment, the interpretation and application of assessment results, and reporting procedures from the collection of assessment data. The course will cover clinical assessment, functional vision assessment, learning media assessment, environmental assessment, travel skills screening, stereotypical behavior assessment and other forms of assessment for students with visual impairment. The course will provide opportunities for the completion of a vision assessment, including functional vision assessment, and learning media assessment.
Prerequisites: College of Education majors only

SPU 300: Reading, Writing, and Teaching Unified English Braille, Nemeth Mathematics, and Other Braille Codes
This course provides knowledge and skills in mastery of the Unified English Braille Code, Nemeth Code, and use of the abacus. Students will demonstrate competence in braille mathematics in both Unified English Braille and Nemeth code. Grade 3 braille, slate & stylus, braille foreign language, braille music, basic formatting, and extended experiences in reading and writing grade 2 braille will be covered. Advanced methods of teaching braille are emphasized throughout the course.
Prerequisites: SPU 200

SPU 302CT: Adapting Materials and Methods of Instruction and Eval. for Teaching Students with Vis. Impairments
This course provides strategies for teaching and adapting materials and instruction in content areas, communication skills (i.e., reading and writing Braille, reading and writing print with and without low vision devices, finger spelling), listening skills, use of technology, independent and daily living skills, habilitation, career/vocational concerns, physical education, transition from the educational setting, and leisure and recreation for students with visual impairments, including multiple disabilities and deafblindness. The course provides a theoretical framework for the concept of teacher as lifelong learner, assessment strategies for learning medium and reading medium, writing IEP's, and research applications.
Prerequisites: SPU 300

SPU 313: Assessment and Instructional Methods for Secondary Students with Disabilities
This course is an in-depth study of assessment and instructional planning of secondary-level students with disabilities. Teacher candidates will explore the use of diagnostics, benchmark, formative, and summative assessments in screening, prereferral, classification process, and instructional programming. Emphasis will be placed on the direct relationship between effective assessment and evidence based instructional practices for special needs learners in the secondary classroom. Teacher candidates will explore assessment bias and teaching to the needs of diverse populations of students.
Prerequisites: SPU 201 or permission of instructor.

SPU 314: Effective Instructional Strategies for Students with Disabilities in Inclusive Settings
This course addresses the knowledge base and skills necessary for general education teachers to successfully include students with disabilities into their classrooms. Emphasis is placed on structuring inclusive environments and designing and implementing appropriate accommodations for elementary and secondary students possessing specific disabilities.
Prerequisites: SPU 201

SPU 315: Building Collaborative Networks to Support Secondary Students w/ Disabilities in Inclusive Classroom
This course addresses the knowledge base and skills necessary for ALL teachers to successfully include ALL students (e.g. ELL, CLD, non-disabled, special needs) into their classrooms. Emphasis is placed on structuring inclusive environments and designing and implementing appropriate accommodations for ALL students within content specific classes. The focus of the course will be on professional collaboration, home-school collaboration, universal design for learning, access to the general education curriculum, and assistive technology.
Prerequisites: SPU 201 or permission of instructor.

SPU 316WI: Literacy Development and Instruction in Core and Intervention Areas
This course is an in depth study in the teaching of literacy for struggling readers and special education students. The course will present characteristics and factors contributing to struggling readers. Pre-referral guidelines of federal and state laws will be discussed, including RTI, scientifically research-based and evidence-based instruction, and on-going progress monitor of student performance. The sequence of language, reading, and writing skills will be described as these areas pose challenges for student with disabilities. An emphasis on instructional tools, guidelines for instruction, organizational and teaching strategies, remedial methods and techniques for the child with a disability in preschool through secondary education will be introduced in this course.
Prerequisites: SPU 201

SPU 317: Intensive Reading, Writing, and Mathematics Intervention Approaches
This course presents an in-depth study in the teaching of reading, math, and written expression to students with disabilities. The course will present formal and informal assessments tools used to design effective individualized intervention. A variety of intensive teaching and learning strategies and resources will be used to address specific targeted skill needs. These strategies and resources will be integrated into daily instructional plans and/or used as a replacement academic resource. An emphasis on instructional tools, guidelines for instruction, organizational and teaching strategies, remedial methods and techniques for the child with a disability in preschool through secondary education will be introduced in this course.
Prerequisites: SPU 316

SPU 318: Assessment and Instructional Methods for Students with Disabilities
This course is an in-depth study of the purposes of atypical classes, curricular content and its organization, formal and informal assessment techniques, classroom management and the various methods of teaching the atypical child. The course will expose teacher candidates to informal and formal assessment, instructional delivery methodology and remediation strategies for the PreK-8 learner.
Prerequisites: SPU 201

SPU 320CT: Special Education Processes and IEP Development
This course addresses aligning IEPs for students with disabilities with the general education academic standards. Using the Pennsylvania Department of Education standards Aligned Systems, teacher candidates learn to develop IEPs that provide access to the general education curriculum for students with disabilities. Emphasis will be on the conceptual framework (Understanding by Design), specially designed instruction, on-going progress monitoring, and data based decision-making.
Prerequisites: SPU 318

SPU 322: Teaching Students with High Incidence Disabilities
This course provides information related to systematic strategic academic planning for students with mild disabilities (i.e. specific learning disabilities, mild mental retardation, mild behavior disorders). Students will be introduced to definitions, etiologies, formative assessments, and evidence based practices for these high incidence populations. High incidence disabilities will be viewed across the life span, requiring persistent educational support.
Prerequisites: SPU 318

SPU 327: Transition, Self-Determination, and Self- Advocacy for Adolescents and Adults with Disabilities
This course introduces preservice professionals to the specific educational, daily living, and employment needs of adolescents and adults with disabilities. Preservice professionals examine the historical and legal basis for providing people with disabilities with opportunities to lead independent lives and realize educational, vocational, and personal goals. Course content includes employment, and residential issues, post-secondary education, self-determination and choice-making, and adult life issues.
Prerequisites: SPU 201 or permission of instructor.

SPU 328: Positive Behavioral Intervention and Supports
This course will provide teacher candidates with the knowledge of alternative management techniques appropriate for facilitating learning in classrooms, within families, and in other environments. Included will be a study of characteristics, assessment procedures, and multidisciplinary services designed to support the K-12 learner with special needs.
Prerequisites: SPU 101

SPU 330: Teaching Students with Low Incidence Disabilities
This course will address medical, physical, psychological and educational aspects of students with low incidence disabilities. The major focus of this course will be teaching students with moderate or severe retardation, severe behavior disorders, including any of the Autistic spectrum disorders. Included will be an examination of evidence based strategies relevant to the education, training, and habilitation of students with low incidence disabilities. Low incidence disabilities will be viewed across the life span, requiring persistent support.
Prerequisites: SPU 318

SPU 333: Assistive Technology for Individuals with Visual Impairments
This course reviews assistive technology devices available for children with visual impairments to access information in the classroom and support daily life activities. The course will provide experience with a variety of technologies utilized within the classroom. Instructional strategies, assessment, and progress monitoring of the technologies will be discussed.

SPU 380: Independent Study
Qualified students will be permitted to conduct independent investigations, under supervision, in specific areas.

SPU 381: Internship in Special Education
This course is designed to provide the student with educational opportunities outside the normal academic program which cannot be gained through the more traditional course structure. By serving as apprentices, interns, aides, or assistants in a variety of settings ranging from public institutions to private industries, businesses, the student will be able to augment and extend his or her educational experiences to achieve specific personal AND professional career objectives. Minimum of two hours for each academic credit hour. May be repeated for up to 6 credits.
Prerequisites: Must have 90 credits completed

SPU 390: Clinical Experience and Practicum: Visual Impairment I
This course provides for observation and participation in the performance of the duties of a teacher of students with visual impairments, including those with multiple disabilities in an itinerant, residential, or day school setting. Practicum sessions provide for an opportunity to discuss problems, trends and issues, multi-cultural needs, interviewing techniques, scheduling, lifelong learner model for teachers and students, and organizational skills unique to the field.
Prerequisites: SPU 302

SPU 391: Clinical Experience and Practicum: Visual Impairment II
This course provides for observation and participation in the performance of the duties of a teacher of students with visual impairments, including those with multiple disabilities in an itinerant, residential, or day school setting. Practicum sessions provide for an opportunity to discuss problems, trends and issues, multi-cultural needs, interviewing techniques, scheduling, lifelong learner model for teachers and students, and organizational skills unique to the field.
Prerequisites: SPU 302

SPU 392: Clinical Experience and Practicum: Mentally/Physically Handicapped I
An opportunity is provided for observation and student teaching with special populations. Discussion periods are provided for classification techniques, methods and approaches.
Prerequisites: SPU 320

SPU 393: Clinical Experience and Practicum: Mentally/Physically Handicapped II
An opportunity is provided for observation and student teaching with special populations. Discussion periods are provided for classification techniques, methods and approaches.
Prerequisites: SPU 320

SPU 433: Characteristics and Etiology of Autism Spectrum Disorders
This course covers the characteristics of autism and other related disorders, commonly referred to as Autism Spectrum Disorders (ASD) including; communications deficits, social skills, stereotypical behaviors, and typical responses to stimuli. Additionally, theoretical and scientific etiologies are discussed with various diagnostic instruments and procedures. Cultural perspectives of autism and related disorders with their relationships to educational services are also addressed.
Prerequisites: Permission of Instructor

SPU 434: Applied Behavior Analysis
This course introduces principles of applied behavior analysis (ABA) and how it can serve individuals with autism, with special attention given to classroom settings. ABA coverage includes; reinforcement, punishment, thinning, stimulus control, prompting, fading, generalization, maintenance, and data collection with analysis. Specific empirical-based ABA methods such as discrete training, direct instruction, and verbal behavior will be discussed.
Prerequisites: Permission of Instructor

SPU 435: Assessment and Instructional Intervention for Individuals with Autism Spectrum Disorders
This course examines instructional strategies that have been shown to be effective in promoting the development of communication and social skills by students with ASD. Augmentative and alternative communications systems (AAC) and approaches for teaching social skills in home, school, and community environments along with coordination of services and advocating for students with Autism Spectrum Disorders will be discussed.
Prerequisites: Permission of Instructor

SPU 436: Practicum with Students with ASD: Collaboration with Families, Agencies, and the Community
An opportunity is provided for observation and for student teaching of students with autism spectrum disorders (ASD). Discussion periods are provided for classification of techniques, methods, and approaches.
Prerequisites: Permission of Instructor

Sport

SPT 111: The American Woman in Sport
The course will focus upon physical and social-psychological factors which affect the performance of women in a variety of sport forms. Consideration will be given to recent legislation which has helped to define women's participation in the world of athletics.

SPT 120: Personal Nutrition
This course is intended to present the science of nutrition in a personal way to all students regardless of major. The aim of the course is to help individuals focus on their own eating practices and to evaluate their habits in keeping with guidelines that support good health.

SPT 145: Lifeguard Training
This course is designed to provide the student who possesses good swimming skills with the knowledge and skills necessary to keep the patrons of aquatic facilities safe in and around the water. The course content and activities prepare students to recognize emergencies, respond quickly and effectively to emergencies, and prevent drownings and other incidents. On successful completion of the course, participants receive two certificates: one for American Red Cross Lifeguard Training and a second for American Red Cross CPR for the Professional Rescuer. Students must be prepared to demonstrate swimming proficiency during the first class meeting. This course does not satisfy the physical education requirement.

SPT 160: Introduction to Sports Management
This course is designed to provide an introduction to the field of sports management. Additionally, it is intended to provide a theoretical foundation and experiential opportunities for development and refinement of basic "process" competencies necessary for successful planning and implementation of sport and recreational activities. Emphasis will be given to the basic operational competencies of successful event and venue operations.

SPT 195QL: Accounting Survey for Sport Management
This course is designed to provide a basic understanding of Accounting and other related financial issues that may be encountered by students entering the sport/recreation field. Students will be shown why a knowledge of basic Accounting concepts is a critical component of all sport/recreation related industries. Students will be expected to demonstrate how financial information is gathered, recorded and used in the decision making processes. This course is not acceptable for Business majors.
Prerequisites: CSC 10 and SPT 160 with a grade of C or better; or permission of the instructor.

SPT 201: Scientific Basis for Human Movement
This course is designed to provide students with an overview of the scientific approaches used to study human movement and a working knowledge of the terminology that is used in each discipline. Knowledge of the research and theoretical perspectives in these disciplines will provide students with the foundation on which a broad based knowledge of the science of human movement can be built.

SPT 205: Sport Behavior
This course is designed to introduce students to the behavioral, affective, and cognitive components of sport psychology. Research findings in the context of applied, educational and experimental sports psychology will be presented and discussed.

SPT 210: Sport Management Practicum
This is an experiential course in which students will be exposed to a self-selected, introductory, and supervised professional fieldwork experience in the sport management field. Through hands-on experience, students are given the opportunity to acquire knowledge, skills, and values held by professionals in the sport management industry. The course will also allow students to build on the competencies developed in SPT 160. This one credit course may be repeated up to three credit hours, but may not be repeated at the same job site. Credits earned in this course will be graded "Pass/Fail".
Prerequisites: SPT 160 and at least 30 credits and a minimum of a 2.0 GPA; or permission of the Department Chairperson.

SPT 212CM: Sport Public Relations and Communication
This course is designed as an introductory class to provide a general overview of public relations and communication in the sport industry. The course will examine and discuss concepts directly related to sport management. In addition, students will further explore issues and problems found in sport public relations and communications.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 216: Exercise Physiology
This course is designed to provide an in-depth analysis of the effects of physical activity upon the structure and function of various organ systems. Application of theoretical concepts to physical performance enhancement and clinical rehabilitation will be emphasized.
Prerequisites: SPT (PED) 201

SPT 222: Fundamentals of Coaching
This class will give students a foundation on which to build a deeper understanding of the coaching profession. The focus of the class will be the application of sport sciences, sport pedagogy, sport management and sport first aid as they relate to coaching. In addition, two National Federation Interscholastic Coaching Certifications may be earned in Coaching Principles and Sport First Aid by meeting course requirements and achieving an 80% on the American Sport Education Program Examinations.

SPT 226: History of Sport
The course is designed to provide a historical overview of recreational and physical education philosophy and practice and sporting activity. Emphasis is given to historical, multi-cultural approaches toward sport and investigates their contributions to current attitudes and practices and the etiology of modern participatory and spectator sports. Topical areas will include, but are not limited to, the Greek "Ideal," Ancient Olympic Games, "The Turner" Movement, "Muscular Christianity," Sport of Native Americans, Influences of English Immigrants, Women's Emancipation and Participatory Sport, Afro-American Influences, The Modern Olympic Games, Evolution of the NCAA and Intercollegiate Sport and Contemporary Issues.

SPT 230: Leadership and Team Building in Sport
This course is designed to provide students with the methods and skills of leadership and team building, which will enhance all areas of sport and business management. Students will receive instruction in various components and essentials of high-performance teams. The course will provide students with the opportunity to plan, present and experience strategies for creating a culture of teamwork, methods for team building and conflict resolution. Skills and information necessary to stay current with the trends in the field of leadership, collaboration and building a supportive work environment will be emphasized.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 236: Personal Selling in Sport
This course is designed to produce skills essential to personal sales positions in the areas of sport management. The course will introduce students to the discipline of personal selling by covering the principles underlying the basic sales process, theory and practices, methods, and techniques. In addition, students will further explore ethical and legal considerations in personal selling.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 240: Foundations of Health Promotion
This course is designed to explore the historical foundation of, rationale for and current components of community and organizational health promotion programming.
Prerequisites: HEA 102

SPT 250: Methods of Group Fitness Instruction
This course is designed to provide future fitness professionals with methods, content knowledge, practical experience and pedagogy skills needed to design and implement safe group exercise classes. The students will learn to enhance the value of the fitness activities they offer clients leading to greater career success. In addition, information regarding physical activity and special populations related to cardiac conditioning, diabetes, seniors and pregnancy will be emphasized.

SPT 260: Principles of Sport Finance
This course examines the financial tools that sport managers use to run their sport businesses. As such, it explores traditional and innovative methods of revenue acquisition and financial management in sports organizations, the financial business structure of sports organizations, and the financial planning and forecasting processes that make organizations effective. Various other aspects of finance are discussed as they relate to sports organizations, including the time value of money, capital structuring, stocks and bonds, inventory management, and taxation.
Prerequisites: SPT 160 with a grade of C or better, and (SPT 195 or PRO 120); or permission of the department chairperson.

SPT 265: Managing Sport Organizations
This course is designed to address the structure and strategies of sport organizations and their effectiveness. It provides information to facilitate organizational change, to enhance leadership style, and to improve management decisions and organizational effectiveness. Special attention is devoted to the role that sport governing bodies play in delivering services to consumers.
Prerequisites: PED 160 or approval of the instructor.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 270: Sport And Society
This course is designed to explore the sociological aspects of sport. Students will study research and theory used to explain the relationship between sport and society in the areas of socialization, children, deviance, violence, gender, race, social class, economy, media, politics, religion and future trends in sports.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 276QL: Statistics in Sport
This course will introduce students to the basic principles of statistics. A special emphasis will be placed upon the fundamental concepts and theories of statistics unique to sport. Students will be exposed to descriptive and inferential statistics enabling them to apply knowledge in their professions.
Prerequisites: MAT17 or higher

SPT 285: Sport Marketing and Sponsorship
This course is designed to address the various techniques and strategies used in meeting the needs and wants of sport consumers. It also focuses on how sport can be used to assist in the marketing of other companies and products. Special attention is devoted to the uniqueness of sport marketing in comparison to traditional marketing, the importance of market research in identifying and segmenting sport consumers, and the development of sponsorship programs.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 290WI: Fundamentals of Sports Law
This course is designed to introduce students to a variety of legal principles associated with leisure and sports and to expand their legal knowledge to the leisure and sports industry. Relevant areas of law will be examined through case study. Discussions on current legal issues and topics in the recreation and sport industry will constitute a significant portion of the class.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 300: Applied Sport Psychology
This is designed to build on the psychology components introduced in SPT 205 Sport Behavior. Research findings in the context of applied sports psychology will be presented and discussed, and coupled with students developing procedures for applying sport psychology techniques.
Prerequisites: SPT 205 or permission of the department chairperson

SPT 305: Emergency Care and Risk Management
This course will introduce the student to the principles of emergency care and risk management. The focus of the course will be on the preventive planning and skill development necessary to anticipate and respond to potential risks within the student's professional interest area, major, or personal life.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 310: Fitness Assessment and Exercise Programming
This is designed to provide students with the opportunity to develop a solid understanding of assessment, programming and evaluation of health-related physical fitness components. Analysis of various health and fitness assessment tools including those employed to evaluate aerobic fitness, muscular strength, muscular endurance, flexibility, and body composition will be examined. Emphasis will be on developing baseline assessments for use in fitness program development in variable populations. Practical experience in fitness and wellness programming will be an integral part of this course.
Prerequisites: SPT (PED) 201 or permission of the instructor

SPT 312: Intercollegiate Athletic Administration
This course is designed to further enhance students' knowledge of the administrative and management aspects of intercollegiate athletics programs, with a particular emphasis on the National Collegiate Athletic Association (NCAA). Additionally, this class will analyze current issues in intercollegiate athletics for their relevance to athletics management theory and practice.
Prerequisites: SPT 160 and a minimum of 45 credits completed or permission of the department chairperson

SPT 315: Prevention and Care of Athletic Injuries
The various types of injuries that occur in athletics are discussed with regard to causative factors, frequency, location and relationship to specific sports. Preventive techniques, treatment, procedures and rehabilitative programs are discussed, demonstrated and practiced. All aspects of prevention and care of athletic injuries are investigated.

SPT 320CT: Sport Ethics
This course examines ethical theory and moral deliberation as applied to athletics, sport, and sport industries. Through critical analysis and personal reflection of relevant scenarios and case studies, students will develop and refine their personal value system as it applies to sport and athletics.
Prerequisites: Prerequisites: SPT 160 with a grade of C or better; or permission of instructor.

SPT 325: Sport Consumerism
This course is designed to introduce theories in sport consumer behavior and the analytic techniques used to answer a variety of questions about sport consumers. Special attention is devoted to the practical application of these theories and contemporary issues and problems found in the sport and leisure field.
Prerequisites: PED 160 & PED 285, or approval of the instructor.

SPT 330WI: Event and Facility Management
This course is designed to provide "product-oriented" experiential opportunities for in-depth development and refinement of operational skills needed to successfully complete a capstone internship experience and to succeed in entry level event and facility management career opportunities.
Prerequisites: SPT 160 with a grade of "C", SPT 285, SPT 290; or permission of the department chairperson.

SPT 333: Principles of Strength and Conditioning
This course is designed to provide students the opportunity to develop a solid understanding of the methods and techniques associated with the design of strength and conditioning programs to enhance human performance in sport. The use of different resistance modalities typically used to improve muscular endurance and muscular strength will be considered as well as plyometric programming, speed and agility drills and programming and the injury prevention effects of appropriate training. Emphasis will be placed on proper form and utilization of various workout designs to meet the unique needs of athletes of all ages. Practical experience in resistance training programming will be an integral part of this course.
Prerequisites: SPT (PED) 201 or permission of the instructor

SPT 335: Methods and Evaluation In Athletics
This course is designed to provide students with an in-depth study and application of skills necessary for coaches and athletic/sport administrators. Students will examine instructional strategies, skill and tactical analyses, organization and administration, evaluation techniques and management strategies of athletic programs.
Prerequisites: SPT (PED) 222 or permission of the instructor.

SPT 340: Coaching Internship
This course is designed to provide students with a practical coaching field experience under the supervision of a school or community professional. Students will apply their knowledge and skills of coaching while working with a sport team for a minimum of sixty hours. An in-depth coaching research project which encompasses practical, theoretical and methodological principles and analyses of sport is required.
Prerequisites: SPT 222 with a grade of "C" or better or permission of the instructor.

SPT 345CD: International Sport Business
This course is designed to address the magnitude of global expansion and development of sports. It provides an introduction to business opportunities and barriers in the global marketplace. Special attention is devoted to contrasting the US sport industry with international markets. The topics address major social, cultural, ethical, and business issues facing international sport business.
Prerequisites: SPT160 with a grade of "C" or better &SPT(PED)285 or perm of instructor

SPT 350: Internship In Sport Management
This course is designed to provide a capstone sport/recreation field experience. Students will apply and refine knowledge and skills requisite to entry-level event and facility operations while participating in the activities of an established professional organization. May be repeated for up to 12 credits.
Prerequisites: SPT 160 with a grade of C or better, and SPT 330, and senior status.

SPT 366: Personal Fitness Trainer
This course is intended to prepare the student with knowledge and skills basic to the field of personal fitness training. Areas of educational development will include basic human anatomy, physiology, risk management, legal liability, fitness program development and evaluation. A student who successfully completes this training, combined certifications in CPR and First Aid, will be positioned to participate in a certification exam that may lead to the acquisition of a certificate in Personal Fitness Training. This course includes an entrepreneurial focus.

SPT 372: Selected Topics in Leisure and Sport Studies
This course provides students with an opportunity for in-depth study of topics of current interest in the field of Leisure and Sport Studies. The format for the course will vary to best address educational goals as they relate to the selected topic. Students may register for this course more than one time, up to a maximum of six semester hours or credits, provided the same topic is not repeated. Prerequisite: Any combination of four (4) three-credit PED courses with a course prefix number of 100 or higher or permission of the instructor.

SPT 375: Research Methods for Sports Management
This course is designed to assist students in becoming thoughtful professionals who understand the purpose and value of academic research, in developing knowledge of conceptual foundations and methodological tools of quantitative and qualitative research, and in applying these skills to the field of sport management.
Prerequisites: Senior standing or permission of the department.

SPT 380: Independent Study in Sport Management
Independent Study provides an opportunity for individuals to pursue scholarly activity in an area pertinent to the discipline of Sport Management not covered within a regularly offered undergraduate course in Sport Management. Credit for the course may be scheduled for one to three semester hours in a single semester for no more than three credits of independent study overall. Permission of the faculty member instructing the independent study as well as that of the departmental chair of the degree program or certification area is required.
Prerequisites: By permission of the department

SPT 385: Senior Seminar in Coaching and Athletic Administration
This capstone course provides an opportunity for senior coaching and athletic administration Leisure and Sport Studies majors to critically examine selected, significant issues and problems within their discipline, and enhance professional development skills necessary for success in the workplace. This required course should be taken during the school year of expected graduation.
Prerequisites: SPT (PED) 222 or permission of the instructor.

SPT 395: Honors Independent Study/Thesis
Honors Independent Study/Thesis.

Theatre

THE 15: Introduction to Theatre
An orientation to the organic nature of the theatre, studying such elements as architecture, stage design, lighting, costume, makeup, acting, and direction. * THE 015 may be taken concurrently with THE 031, but is a prerequisite for all other theatre courses except THE 195.

THE 31CM: Introduction To Acting
Acting theory and skills, with primary emphasis on Stanislavski-based techniques, are explored through exercises and improvisations, reading, outside play attendance, writing assignments, and performances. Skills presented and developed include awareness, concentration, imagination, discipline, sense memory, emotional truth, choices, physical/vocal expressiveness, and ensemble. COREQUISITE: THE 015.
Prerequisites: THE 15

THE 195: Theatre Practicum
The study, through preparation and performance, of the processes and skills necessary for theatrical production. These include, but are not limited to acting, directing, costuming, makeup, construction, lighting, and management. This course is open to all students. BFA Related Arts Theatre students and BA Theatre students must accumulate 3 credits of Theatre Practicum as part of their degree requirements. No prerequisite. Offered each semester. May be repeated to a cumulative total of 3 credits.

THE 205: Costuming For The Stage
The study of designing and constructing a costume appropriate not only to the character wearing it, but also to the style and the period of the play itself. Topics will include play analysis for costume design requirements, materials needed, estimated cost, drawing patterns, history of costumes, use of the sewing machines, and costume shop safety. Students will be required to take primary responsibilities in costuming areas (designing and construction) for a current production.
Prerequisites: THE 15 and THE 140 or Permission of the Instructor

THE 206: Costume Crafts
This course focuses on the creative design process and the practical application of skills needed in the development and execution of costume crafts. Emphasis will be placed on corset-making, painting and dyeing of fabrics, embellishment procedures, millinery techniques, and the construction of costume accessory pieces.
Prerequisites: THE 205 or Permission of the Instructor

THE 210: Production and Performance for Young Audiences
Experience in preparing and performing dramatic scripts for young theatre audiences is the focus of this course. Selecting, adapting, and mounting manageable productions, analyzing the needs of the audience, and choosing styles of performance consistent with the material provide students with practical application of theory.
Prerequisites: THE 15

THE 311: ASIAN THEATRE AND DRAMA
A historical, literary, and production study of the major periods, genres, techniques, and playwrights of Asian theatrical forms (drama, puppetry, dance, and opera) with particular emphasis on the theatres of India, China, and Japan. English translations of representatives plays will be read.
Prerequisites: THE 15

THE 321: History of the Theatre A
A comprehensive survey of the history of stage architecture, literature, styles and methods of production essential to the actor, director and playwright. This course covers two semesters, taken separately or in either order. (321) Development of Theatre from Primitive Times Through the Restoration Period. (322) Development of Theatre from the Restoration to the Present.
Prerequisites: THE 15

THE 322: History of the Theatre B
A comprehensive survey of the history of stage architecture, literature, styles and methods of production essential to the actor, director and playwright. This course covers two semesters, taken separately or in either order. (321) Development of Theatre from Primitive Times Through the Restoration Period. (322) Development of Theatre from the Restoration to the Present.
Prerequisites: THE 15

THE 324: Great Moments in American Theatre
A journey into the realm of American drama and theatre; a view of American society as depicted upon the stage. Styles of acting and methods of scene design and production will be stressed.
Prerequisites: THE 15

THE 330: Dramatic Theory and Criticism
The focus of the course is the study of major theories of dramatic criticism. Beginning with Aristotle's Poetics, and classical theory, the course will provide an historical overview of selected dramatic theories and critics through to the present.
Prerequisites: THE 15

THE 333: Theatre History I: Ancient European
A comprehensive study of the history of stage architecture, literature, styles, theory, criticism, and production methods. This course covers Ancient Greek, Roman, and Medieval Theatre. Representative dramas will be read in translation.
Prerequisites: Theatre 203 and Junior status.

THE 341: Intermediate Directing
This course is designed to develop depth and breadth of techniques introduced in Fundamentals of Directing while introducing more advanced skills. Emphasis will be placed on play, scene, and character analysis; communicating with actors and design personnel; and non-proscenium arch staging techniques for the thrust and arena stages. Practical scene work will be drawn from a variety of periods and styles including pre-realistic dramatic literature.
Prerequisites: Junior/senior status theatre majors

THE 380: Senior Seminar: Issues from Dramatic/Rhetorical Perspectives
Required of all Seniors majoring in Speech Communication and Theatre, the course consists of a weekly three-hour session in which the students will prepare and discuss contemporary issues related to their individual field of study, and present a series of "position papers" for Departmental evaluation.

Women's and Gender Studies

WGS 10: Introduction to Women's Studies
This course introduces students to the fundamental issues that affect women's lives by focusing on the socially constructed definitions of women and women's roles. Specific attention will be given to women's experiences vis-a-vis family, work, education, health, and the legal system. While the primary focus will be how gender hierarchies and biases affect diverse American women, the course will also examine how these issues affect the lives of women in other cultures. The course will include readings, writing assignments, lectures, discussions, and guest presenters.

WGS 16: Core to the Cosmos: Contributions of Women to Astronomy
From the edge of the cosmos to the cores of planets, the scientific discoveries of women shape our understanding of space. Using the perspective of influential women in astronomy, the course explores major astronomical and planetary science discoveries, such as the expansion of the universe, life cycles of stars, formation of the solar system, and the structure of the Earth as well as their role in space exploration and science missions. This course does not satisfy major, concomitant, or specialization requirements for Secondary Education and/or Liberal Arts Science majors or count toward major GPA for Physics majors.
Prerequisites: This course does not satisfy major, concomitant, or specialization requirement for Secondary Education and/or Liberal Science majors or count toward major GPA for Physics majors.

WGS 45: Women In Mathematics
This course examines women and minorities who have made significant contributions to the field of mathematics. Both their lives and their work will be explored as well as gender and multicultural issues surrounding their endeavors. Furthermore, mathematical topics related to their contributions will be discussed.

WGS 67: Self Defense for Women
This course is clearly a Women's Studies course since the central focus is the development of skills and knowledge relative to women's ability to function effectively in an increasingly violent environment.

WGS 130: Interpersonal Communication
This course is an introduction to the theory and practice of interpersonal communication. It is designed to create an increased awareness and application of the concepts, skills, and strategies that are important to enable students to become interpersonally competent communicators in their personal and professional relationships.

WGS 209CDWI: Women in Music
This course will examine the contributions of women as composers, performers and conductors of music from the Middle Ages through the twentieth century. Focus will remain mainly on the roles of women in the sphere of classical music, although some jazz and popular music will be included. Class is limited to 25 students. (This course is also offered under the WST 209 designation.)

WGS 211CDVL: Women in the Arts
This course will provide an overview of women's creative achievements, experiences and status in the visual arts. The focus of this course is on gender; however, issues relating to the intersections of gender with race, class, national origin, ethnicity, age, and sexual orientation will also be discussed. As well, the course will explore the portrayal of women and the way in which cultural definitions of gender shape women's aesthetic expression.

WGS 214: Women and Religion
This course explores the complex involvement of women in the many religions of the world. Students will investigate textual and/or oral religious traditions regarding women and their places in the cosmos. Students will also explore texts written by women or practices devoted to or performed by women. The course will emphasize cultural and spiritual diversity in women's lives, as well as issues of religious empowerment, piety, leadership, scriptural interpretation, and theoretical questions involving gender, spirituality, the body, and social, ethnic, and racial differences.

WGS 217CD: LGBTQ Studies
The purpose of the course is to introduce students to Lesbian, Gay, Bisexual, transgender, and Queer (LGBTQ) Studies. It will trace the conceptual distinctions drawn between sex, gender, and sexuality, as well as the history of diverse genders and sexualities. It will also examine contemporary issues facing LGBTQ individuals and communities. Emphasis is placed on feminist and social constructionist approaches to studying LGBTQ issues.

WGS 228: Women in Education
Women's changing roles in education will be looked at from the perspectives of a student, a teacher, and an administrator. Women's impact and contributions to education at all levels of education will be examined. The role of the institution and the current status of women at all levels of education will be a major focus. Prerequisites: College of Education majors only

WGS 237: Women Writers in Performance
This course is designed to use performance theory and process to analyze significant literary works and key themes in women's writing. Students will use performance theory, feminist theory, and post-modern theory to engage with texts from women writers from diverse cultural and historical backgrounds. We will accomplish this through close readings, class discussions, performance workshops, and performances of texts by female authors.

WGS 246CDCT: Feminist Film Theory
In this course, students will investigate the intersections of feminist film theory and representations of women's experience in international film, as well as explore feminist film practices within the narrative, documentary and avant-garde traditions. (This course is also offered under the WST 246 designation.) Prerequisites: ENG23, ENG24 or ENG25

WGS 248CDCM: Nonverbal Communication
Students will explore some facets, principles, implications, and effects of non-verbal communication. The course will focus on non-verbal codes such as kinesics (body movement), paralanguage (vocalic communication), facial expressions and eye movement, proxemics (space), haptics (touch), and chronemics (time), and artifacts (including art and architecture but also jewelry, clothing, hairstyles, and body modification). Student presentations will highlight how communication is a “package” of symbols.

WGS 250: Women and Leadership
This course will focus on stimulating critical thinking about women and leadership and encourage a re-examination of the historical and contemporary beliefs about women and leadership. The learner will have an opportunity to examine one's own leadership behaviors as the interaction of leadership, gender, context and culture within a context of historical foundations as well as contemporary research will be examined. This course meets criteria set forth for General Education Goals #7 (globalization) and #9 (diversity).

WGS 251: Women, Money And Power
Gender is a significant construct through which societies structure and define themselves. This course uses a gender lens to examine money, finance, taxation, public policy and the social contract. Particular attention is paid to women's experience with financial literacy, financial responsibilities, public policies, and contemporary barriers to full economic security for women and families in our society. Policy and personal strategies for asset building also will be addressed.

WGS 261: Introduction to Health Communication
This course is designed to introduce students to the field of health communication. It will explore health-related communication as it applies to the dissemination, interpretation, and impact of health-related messages. Students will learn about communication between health-providers and patients/clients, health education initiatives and campaigns, as well as communication dynamics in health organizations. Students will gain both knowledge and experience in the use of communication to promote individual and public health.
Prerequisites: COM (SPE) 10

WGS 271: Sexualities and Communication in Everyday Life
This course is an introduction to the study of sexualities and communication in everyday life. The course is designed to develop a student's ability to think critically about and analyze issues of sexualities in multiple theoretical-and often overlapping-perspectives used by scholars to explore and understand sexualities in the broad field of communication.
Prerequisites: COM (SPE) 10

WGS 272: Women and Violence in Contemporary World Texts
This course will investigate the complex relationship women around the world have with violence. Though formerly only regarded as those in need of protection, women who perpetrate violence have forced a shift in gender roles ascribed to violence. Looking at written and visual texts that depict women as both victims/survivors and perpetrators of violence will allow students to discuss the ways women's shifting role in violent movements and in texts has changed both the gender ideology and the political climate in a rapidly globalizing world. This course work will look at the ways women's relationship to violence is constructed and question ideas that women are "naturally" non-violent. While this course does not condone the use of violence, it does study ways women use violent tactics to resist oppression, enact revenge, and find a voice.
Prerequisites: ENG23, ENG24 or ENG25

WGS 274CDWI: Women, Writing and Rhetoric
While the spoken and written word have long been studied for their rhetorical intent and success, this study has been conducted primarily through a male lens. As such, womens contributions to rhetoric throughout history, like so many other aspects of womens experience, have yet to be fully explored. Women, Writing, and Rhetoric seeks to expand the study of rhetoric with a multi-layered consideration of how rhetoric has been informed by, and informs, a female consciousness. This is an elective course for English majors, Womens Studies minors, and those seeking a concentration in Composition, Rhetoric, and Literacy Studies.
Prerequisites: ENG23, ENG24 or ENG25

WGS 276CDWI: Nineteenth Century Women's Literature
This course covers selected literary texts by nineteenth-century British and American women writers. It also focuses upon gender-specific conflicts and changing perceptions about the nature, roles, and rights of women during this important era in the history of literature by women.
Prerequisites: ENG23, ENG24 or ENG25

WGS 278: Women Writers Around the World
The focus of this course is modern and contemporary literature by women around the world. Students will read selected fiction, non-fiction and poetry, and examine these works primarily, but not exclusively, from the perspectives of Feminist Critical Theory.
Prerequisites: ENG23, ENG24 or ENG25

WGS 279: U.S. and Canadian Women Writers
This course explores some of the major U.S. and Canadian women writers from approximately 1880 to the present. Taking a multi-genre and multi-critical approach, students will study the important contributions U.S. and Canadian women authors have made and are making to modern and contemporary literature. This course is suitable for both majors and non-majors.
Prerequisites: ENG23, ENG24 or ENG25

WGS 285: Gender Communication
This course provides a study of gender as it influences verbal and nonverbal communication, and shows how gender communication impacts the lives and experiences of women and men. The course will explore multiple ways communication in schools, family, media and society in general creates and perpetuates gender roles.
Prerequisites: COM 130 (SPE 130)

WGS 310: Seminar in Women's Studies
This course will provide the requisite structure to assist advanced students to integrate the multi-disciplinary courses of a Women's Studies minor. Students will read, discuss, debate and write about current research and scholarship on women which will be selected to synthesize their under-standings of gender issues in a complex world. Topics will also be selected to support the students' major areas of study and career goals. The course may be team-taught or taught by a faculty member in cooperation with guest specialists.
Prerequisites: WGS 10

WGS 316: Politics, Sex, and Gender
An extensive examination of the constitutional and legal bases of sex-based discrimination in the United States. The course will focus specifically on statutory law and judicial decisions relating to discrimination of both men and women.

WGS 318CTVL: Picturing Gender
This course investigates the role of art in shaping a culture’s understanding of gender. Drawing upon themes from a variety of historical eras from the ancient world through the 19th century in Europe and the United States, it explores how art both reflects and moulds the understanding of gender roles as they are played out across the lifespan as well as range of sexual orientations. Topics pertaining to gender such as social class, power, spirituality, sexuality, work leisure, family life and age will be addressed.
Prerequisites: Take at least one of the following courses: ARH 24/124 or ARH 25/125 or ARH 26/126 or permission of the instructor.

WGS 321: Popular Culture
This course explores how popular culture is created and reflected within a range of media and genres-including television, film, music, fiction, social networks, gaming, and digital technology. Students will learn how to explain and critique popular culture from a variety of theoretical perspectives. The course focuses on how popular culture challenges or reinforces stereotypes, creates communities, and reflects social and political realities.

WGS 323: Native American Women Writers
This course provides undergraduate students an introduction to selected Native American Women Writers across several genres. Students will experience a variety of writings which move across traditional boundaries (such as nonfiction, poetry, fiction, theory, activist, and so on). The course also provides students an opportunity to consider Indigenous Feminism in theory and practice. Students will consider issues of gender, identity, cross-cultural understanding, individuality and community by intellectually engaging with the texts and performances of Native American women.
This class may also include the opportunity for digital storytelling, blogging, interviewing, and community engagement.
Prerequisites: ENG23, ENG24 or ENG25

WGS 325: Social Work and Human Sexuality
This course explores the socio-cultural, physiological, and psychological variables associated with human sexual expression, identity, orientation, and behavior. Attention will also focus on clinical issues most often presented in social work practice and women and gender studies by individuals and couples, e.g., desire discrepancy in couples and affairs outside a committed relationship. Specific sexual dysfunctions identified in the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) will be explored in terms of their etiology and the current treatment models used to address them. The field of Sex Therapy, past and present, will be discussed as well as the evidence-based practices for treatment. This course is not designed to create sex therapists but to help social workers feel more comfortable dealing with the sexual concerns of their clients.
Prerequisites: SWK 250 or Permission of Instructor

WGS 329: Feminist and Gender Theories
This course provides an overview of the leading currents, issues, and debates in feminist literary theory, including gendered voice, difference vs. equality feminism, essentialism, and queer theory. Students will read theoretical and literary selections from nineteenth-, twentieth-, and twenty-first century feminists.
Prerequisites: ENG23, ENG24 or ENG25

WGS 350CT: Leadership: A Communication Perspective
This course serves as an introduction to the study and practice of leadership from a communication perspective. To this end it explores communication variables involved when leaders attempt to influence members to achieve a goal. Particular focus will be on the relationship between communicating and leading. Topics include power, credibility, motivation, research on leadership traits, styles and situations, global leadership, ethics, and current models of leadership such as transformational, charismatic, and functional approaches.
Prerequisites: COM (SPE) 10

WGS 370: Selected Topics in Women's Studies
This is a course for students who wish to deal with a specific women's issues topic or system in greater detail than current offerings permit. Topics will depend on needs and interests of students and faculty interest and expertise. May be taken a maximum of three (3) times.

WGS 380: Independent Study
This course is designed for students who wish to study a particular problem or selected topic in Women's Studies in depth with a qualified instructor. The student, in consultation with the designated instructor, will propose his/her program of study by defining the focus, setting objectives, and planning outcomes. Depending on the complexity or magnitude of the study, the student will be awarded one, two or three credits.
Prerequisites: WGS 10

WGS 387: Family Communication
Family Communication is designed to introduce students to communication in the family setting. The overall goal is to help you understand how, through communication, we develop, maintain, enhance or disturb family relationships. The course will examine the role of communication as it relates to family identities, family roles, relational maintenance, intimacy, conflict, decision-making, family stress and well-being. Students will learn verbal and nonverbal skills that can promote healthy family communication. This course will potentially be an important beginning in assessing the communication skills, that are inherent in your own family.
Prerequisites: COM (SPE) 130 or with the permission of the instructor.

WGS 390: Internship in Women's Studies
Students with a Women's Studies Minor are provided with an opportunity to apply skills and knowledge gained in the minor to a supervised work experience in an agency concerned with women's issues. Junior or Senior standing and approval of The Women's Studies Director are required.

WGS 394: Honors Independent Study
Through this course, the student will do work appropriate to their field of study. The specific methodology, content, and background required for this course depends on the field or fields in which it is completed. The student should develop their Independent Study proposal the semester before they registers for the course. The course involves individual or small group independent study. A student may register for this course more than once. Maximum of 9 credits.
Prerequisites: Approval required from WGS chairperson, honors program, and professor of the course.

WGS 395: Honors Capstone Project / Independent Study
Through this course, the student will create a project or related set of projects of near- professional quality in their field. The specific methodology, content, and background required for this course depends on the field or fields in which it is completed. Students should begin gathering background, skills and knowledge to take it as early as their sophomore year. They should develop their capstone project proposal the semester before they register for the course, and ideally will take two semesters to complete it. The course involves individual or small group independent study. A student may register for this course more than once. Maximum of 6 credits.
Prerequisites: Approval required from WGS chairperson, honors program, and professor of the course.

WGS 398: Honors Supplemental Work
Through this course, the student will do work appropriate to their field of study. The specific methodology, content, and background required for this course depends on the field or fields in which it is completed. The student should develop their Honors Supplemental Work proposal the semester before they registers for the course. The Supplemental Work involves individual or small group independent study attached to another course. (This is analogous to a lab attached to a science course.) A student may register for this course more than once. Maximum of 9 credits.
Prerequisites: Approval required from WGS chairperson, honors program, and professor of the course.

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