

**COLLEGE OF LIBERAL ARTS & SCIENCES • BS • ENVIRONMENTAL SCIENCE/CHEMISTRY**

Program Number: 22653

Version Number:

Effective Date: Fall 2011

**GENERAL EDUCATION**

I. UNIVERSITY CORE (12 credits)		RC	CR	GR
A. Oral Communication: SPE 010 or above				
COURSE:		3		
B. Written Communication: ENG 023, 024, or 025				
COURSE:		3		
C. Mathematics: MAT 017 or above				
COURSE:		3		
D. Wellness: HEA 110 + activity; or 3-credit Wellness course				
COURSE:		3		

  

II. UNIVERSITY DISTRIBUTION (15 credits)		RC	CR	GR	CAC
A. Natural Sciences: Any lab or non-lab course with prefix AST, BIO, CHM, ENV, GEL, MAR, or PHY; or certain GEG courses (see note at right)					
COURSE:		3			
B. Social Sciences: Any course with prefix ANT, CRJ, ECO, HIS, INT, MCS, PSY, POL, SOC, or SWK; or certain GEG courses (see note at right)					
COURSE:		3			
C. Humanities: Any course with prefix ENG, HUM, PAG, PHI, WRI, WST, or Modern Language					
COURSE:		3			
D. Arts: Any course with prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE					
COURSE:		3			
E. Free Elective: Any course carrying university credit					
COURSE:		3			

III. COMPETENCIES ACROSS THE CURRICULUM		RC	CR	GR	CAC
A. Writing Intensive (WI) (9 credits)					
COURSE:		3			WI
COURSE:		3			WI
COURSE:		3			WI
B. Quantitative Literacy (QL) (3 credits) <b>OR</b> Computer-Intensive (CP) (3 credits)					
COURSE:		3			
C. Visual Literacy (VL) (3 credits) <b>OR</b> Communication-Intensive (CM) (3 credits)					
COURSE:		3			
D. Cultural Diversity (CD) (3 credits)					
COURSE:		3			CD
E. Critical Thinking (CT) (3 credits)					
COURSE:		3			CT

A Competency Across the Curriculum (CAC) course is not a separate course, but rather an overlay that is "double counted" as fulfilling both the CAC requirement and another requirement in either General Education (except for the University Core), the major, or the minor.

RC = Minimum required number of credits  
 CR = Credits earned (fill in number of credits)  
 GR = Grade earned (fill in letter grade)  
 CAC = Competency Across the Curriculum (fill in designation)

**NOTE:** GEG courses with a lab and 040, 322, and 323 may be used in II.A. and GEG courses 040, 204, 274, 305, 322, 323, 324, 347, 380, and 394 may NOT be used in II.B.

IV. COLLEGE DISTRIBUTION (33 credits)		RC	CR	GR	CAC
A. Natural Science, Mathematics, and Computer Science# (6 credits): Choose one course in each subcategory.					
1. Natural Science with Lab: AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)					
COURSE:		3			
2. Elective: MAT, CSC, AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)					
COURSE:		3			
B. Social Science (9 credits): Choose one course in each subcategory.					
1. Elective: HIS, ANT, GEG (see note at right), or POL					
COURSE:		3			
2. Elective: PSY, SOC, CRJ, or SWK					
COURSE:		3			
3. Elective: ANT, HIS, ECO, GEG (see note at right), PSY, POL, SOC, CRJ, or SWK					
COURSE:		3			

		RC	CR	GR	CAC
C. Humanities (9 credits): Choose one course in each subcategory.					
1. Elective: PAG*, ENG, WRI, or HUM					
COURSE:		3			
2. Elective: (MLS, GER, SPA, FRE, CHI, or ARA)* or PHI					
COURSE:		3			
3. Elective: (PAG, MLS, GER, SPA, FRE, CHI, or ARA)*, ENG, WRI, HUM, or PHI					
COURSE:		3			
D. Free Electives (9 credits): Choose any university courses that count toward graduation.					
COURSE:		3			
COURSE:		3			
COURSE:		3			

**NOTE:** GEG courses with a lab and 040, 322, and 323 may be used in IV.A. and GEG courses 040, 204, 274, 305, 322, 323, 324, 347, 380, and 394 may NOT be used in IV.B.

# Students in the College of Liberal Arts and Sciences are required to take at least one course in Biological Science (BIO) and at least one course in Physical Science (AST, CHM, ENV, GEL, PHY, MAR, GEG with lab, or GEG 040, GEG 322, or GEG 323), and at least one of which must be a lab (each course may be counted in either sections II.A. or IV.A).

\* Excludes courses in language instruction, conversation, composition, linguistics, syntax, stylistics, and internship courses; contact the Modern Language Studies Department for clarification.

**LIBERAL ARTS AND SCIENCES: BACHELOR OF SCIENCE  
ENVIRONMENTAL SCIENCE/CHEMISTRY**

<b>VI. MAJOR PROGRAM: 82 S.H.</b>		
<b>A: Core (15 SH)</b>	<b>Gr.</b>	<b>S.H.</b>
BIO 104 Princ. of Biology		4
CHM 100 General Chemistry I		4
ENV 100 Intro. to Env. Sci.		3
GEL 100 Physical Geology		4
<b>B. Common Courses (40 SH)</b>		
BIO 106 Intro. Zoology <b>OR</b> BIO 108 Intro. Botany		4
CHM 102 General Chemistry II		4
CHM 214 Organic Chemistry I		4
ENV 210 Environmental Geology		3
ENV 220 Environmental Analysis		3
ENV 222 Environmental Biology		3
ENV 380 Senior Seminar		2
GEG 274 Introduction to GIS		3
MAT 171 Calc. w/Anal. Geom. I		3
MAT 140 Appl. Statistics <b>OR</b> PSY 200 Stat. So. & Be. Sci. (Note 4)		3
PHY 100 Physics I		4
PHY 102 Physics II		4
<b>C: Environmental Chemistry Track (21 SH)</b>		
CHM 216 Organic Chemistry II		4
CHM 230 Analytical Chemistry I		4
CHM 3XX Chem Elective		4
CHM 3XX Chem Elective		3
CHM 3XX Chem Elective		3
MAT 172 Calculus II		3
<b>D: Restricted Electives (6 SH)</b>		
<b>(Note 5)</b>	<b>Gr.</b>	<b>S.H.</b>
		3
		3

<b>VIII. GRADUATION CLEARANCE</b>		
A. Cumulative Q.P.A.		_____
B. Total Semester Hours		_____
a. General Education		_____
b. Major Program		_____
c. Concomitant		_____
<b>GRAND TOTAL</b>		_____
C. Comprehensive Exam Passed	yes	no
Advisor's Signature		
Date		

<b>NOTES</b>
<p><b>**GEG -- Non-laboratory courses only allowed in this category.</b></p> <ol style="list-style-type: none"> <li>1. Consult the College of Liberal Arts &amp; Sciences Undergraduate Advisement Handbook for courses that may be used.</li> <li>2. PSY 011 &amp; SOC 010 are prerequisites to all other courses in their respective disciplines.</li> <li>3. This ANT, GEG, POL, PSY, or SOC course will be chosen from a list maintained by the Env. Sci. Committee and cross listed with VI. D.</li> <li>4. PSY 011 is a prerequisite to PSY 200.</li> <li>5. Choice of courses made with advisor from a list maintained by Env. Sci. Committee. One of the electives (ANT, GEG, POL, PSY, or SOC) will satisfy the Social Science III. D. requirement.</li> <li>6. A minimum of 120 s.h. are required for graduation.</li> </ol>

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