

The Master of Education Degree in Secondary Education with a Specialization in Mathematics

Chairperson: Dr. Theresa Stahler
Office: 228 Beekey Building
Telephone: (610) 683-4761
E-mail: stahler@kutztown.edu

Hours: 30
Thesis: Optional

The Master of Education degree in secondary education is designed for secondary school teachers and persons in related positions. The program is intended to: (1) enhance personal competence in mathematics, (2) increase awareness of the problems of education in their broad settings, (3) expand the knowledge and understanding of curriculum development and the instructional processes, and (4) augment professional awareness through research in secondary education.

The program consists of a minimum of 30 semester hours. A portfolio is required. All courses are three semester hours, except the thesis. All students accepted into this program must complete all requirements within six calendar years.

AREA I Curriculum (12-15 hours in mathematics)

Area I is designed to provide the opportunity for scholarly growth in the field of mathematics. To be chosen from the following, with advisement:

MAT 512 Foundations of Mathematics (*Required*)
MAT 431, 473, 513, 516, 517, 525, 526, 531, 535, 536, 540, 545, 550, 561, 562, 580.
(Additional 500 level courses as recommended by advisor.)

NOTE: Students taking the minimum number of credits in Areas I-IV will have 3 credits remaining to be completed as a free elective. These 3 credits may be satisfied by taking any graduate-level course. Special consideration should be given to the following:

EDU/MLS	435	English Language Acquisition and Awareness for ELL/ESL Populations
EDU	523	Assessment: Issues and Concerns for Teachers in a Standard Aligned System
EDU	526	Data Driven Decision Making
EDU	568	Middle School Curriculum and Instruction
ELU	540	Seminar in Elementary Curriculum Development
MAU	425	Middle School Mathematics
MAU	580	The Curriculum of the Secondary Mathematics
PSY	520	Advanced Social Psychology
PSY	527	Developmental Psychology of Adolescence
PSY	565	Theories of Learning
SEU	567	Curriculum of the Secondary School

AREA II Educational Environment (6 - 9 hours)

Area II is designed to explore the fundamentals underlying the education process and to relate them to current practice in schooling.

EDU	528	Student Diversity and Critical Pedagogy (<i>Required</i>)
EDU/MLS	428	Cultural Awareness/Sensitivity for ELL/ESL Program Specialists
EDU/MLS	434	Instructional Methods, Materials, and Assessments for ELL/ESL Populations
EDU	496	Multicultural Education

EDU	562	School Law
EDU	533	Social Interpretations of Education
EDU	535	Major Philosophies of Education
EDU	578	Comparative Education: An Analysis of International Education Systems
EDU	597	Change in Education
SEU	560	Classroom Management for the Inclusive Classroom
SPU	500	Cognitive Development of Diverse Learners in a Standards Aligned System
SPU	514	Effective Instructional Strategies for Students with Disabilities in Inclusive Settings

AREA III Instruction (6-9 hours)

Area III is designed to investigate the criteria for decision-making and the structure and organization of curriculum and instruction.

SEU	544	Effective Secondary Education Seminar (<i>Required</i>)
EDU	541	Supervision of Instruction
EDU	542	Academy for the Mentoring of Teachers: Cooperating Teachers, Professional Semester Teachers and Field Teachers
EDU	564	Foundations of the Middle Level Learner
EDU	565	Special Topics in Education
ITC	514	Instructional Technology
ITC	525	Microcomputers for Education
ITC	553	Development of Projected Digital Instructional Resources
MAU	415	Learning and teaching Mathematics
SEU	520	Education Theory and Practice
SEU	540	Reading, Writing, and Critical Thinking in a Standard Aligned System

AREA IV Professionalism (3-9 hours)

Area IV is designed to pursue an understanding of how knowledge is gained, how to verify knowledge, and how to judge its value.

One of the following two courses is required:

EDU	500	Methods of Research
MAU	531	Methods of Research (Mathematics)

Elective — Select with advisement (3-6 hours)

EDU	503	Thesis (6 hours, awarded at completion of thesis; 3 hours may be counted under Area IV, depending upon the nature of the thesis and by permission of the department). PREREQUISITE: completion of an appropriate research methodology course before undertaking the thesis.
EDU	580	Independent Study – Secondary Education

The M.Ed. in secondary education is not a teacher certification program. Graduate students who are not certified teachers and are interested in seeking certification, or who are certified and wish to obtain additional certification, should contact the Office of the Dean of the College of Education, 231 Beekey, (610) 683-4253.

For this program, the Graduate Studies admissions requirement of an acceptable score on the Graduate Record Examination (GRE) may be satisfied by any one of the following:

- Acceptable score on the Graduate Record Examination.
- Passing score on the Praxis I & II examinations.
- Acceptable score on the Miller Analogies Test.