

MATHEMATICS MAJOR

Secondary Education Emphasis (BSE) (39 units)

Effective beginning Fall 2019
An approved minor is required for this major

For students interested in a career as a mathematics educator at the middle or high school level.

COURSES			OFFERED*	PRE-REQUISITE
<i>Major Requirements:</i>				
MATH 200	1 unit	Mathematics: Form and Function	E	CoReq: Math 253
MATH 253	5 units	Calculus and Analytic Geometry I (GM)	E	Math 152 or (Math 150 and 151) each with C or better
MATH 254	4 units	Calculus and Analytic Geometry II	E	Math 253 or (Math 250 and 151) or (Math 250 and 152) each with C or better
MATH 255	4 units	Calculus and Analytic Geometry III	E	Math 254 with C or better
MATH 280	3 units	Discrete Mathematics	E	Math 250 with B or better or Math 253 with C or better
MATH 301	3 units	Introduction to Analysis	E	Math 254 with C or better and Math 280
MATH 353	5 units	College Geometry	S	Math 280
MATH 355	3 units	Matrices and Linear Algebra	E	Math 250 with B or better or Math 253 with C or better
MATH 359	3 units	Probability and Statistics for Teachers	S	Math 253 or (Math 250 and 151) or (Math 250 and 152) each with C or better
MATH 421	3 units	Mathematics for High School Teachers I	S	Math 280, Math 301, and 3 units of upper level math
MATH 422	3 units	Mathematics for High School Teachers II	F	Math 353 and Math 421
MATH 452	3 units	Introduction to Abstract Algebra	F	Math 280 or consent of instructor UnReq: Math 415
<i>Unique Writing Requirements (3 units) – select one of the following:</i>				
ENG 370	3 units	Advanced Composition		
ENG 372	3 units	Technical Writing		

MILESTONES
Math Exit Interview

LICENSURE (38 units)

In addition to major and minor requirements, students in middle and secondary programs complete coursework and field experiences that provide opportunities to synthesize and apply knowledge of subject matter in middle and high schools. A typical sequence of courses is as follows:

- SPECED 205 3 units Introduction to Special Education
- Foundations Block 9 units
PREREQ: 2.75 COMB GPA OR PASSING SCORE ON ALL PARTS OF PRAXIS CORE (OR PPST/PRAXIS I), ACT, SAT, GRE
COREQ: CONCURRENT ENROLLMENT IN EDFNDPRC 210 & EDFOUND243 OR CONSENT
EDFOUND 212 3 units Educational Psychology
EDFOUND 243 3 units Foundations of Education in a Pluralistic Society
EDFNDPRC 210 3 units Introduction to Education and Teaching
- EDFOUND 425 3 units Measurement and Evaluation in the Secondary School
PREREQ: Junior status and admission to Professional Education
- Methods Block 9 units
PREREQ: Admission to Professional Education (refer to Course Catalog for course descriptions)
SECNDED 428 3 units The Teaching of Mathematics in the Secondary School
or SECNDED 421 3 units Middle Level Math Methods
SECNDED 460 3 units Secondary Field Study Seminar
SECNDED 466 3 units Literacy in the Disciplines
- Student Teaching 14 units Select one of the following options:
CIFLD 402 2 units Directed Teaching-Alternate Placement Middle School
CIFLD 414 12 units Directed Teaching-Secondary
–OR–
CIFLD 404 2 units Directed Teaching-Alternate Placement Secondary
CIFLD 412 12 units Directed Teaching-Middle School

For additional information, visit the College of Education & Professional Studies website: <http://www.uww.edu/coeps/advising-admissions/admissions>.

* E = Every Semester S = Every Spring F = Every Fall SOY = Every Odd Spring SEY = Every Even Spring FOY = Every Odd Fall FEY = Every Even Fall