

**Mathematics, Bachelor of Science in Education  
Secondary Ed Math Emphasis  
Fall 2010**

\*Not an official document. Refer to Advising Report for full requirements.  
Sample Advising Reports available on-line <http://www.uww.edu/registrar/ars/index.html>

Major Planning Guides are sample programs which illustrate the type of curriculum a student will take to complete the degree in 4 years.

All students must complete a minimum of 120 credits including

- 1) at least 32 units of general education, including specific Gened courses, as well as approved math and science, physical education and elective courses
- 2) requirements for the PI-34 general education and mathematics licensure,
- 3) requirements for the major and for the minor.

Other courses such as Gened Courses or major/minor electives can be selected from a number of course choices.

Freshman Year	
Semester I	Semester II
English 101* Freshman English—3 units	English 102* Freshman English—3 units
Math 253 Calculus with Analytic Geometry I – 5 units	Math 254 Calculus with Analytic Geometry II – 5 units
Biology/Physical Science – 5 units	Comm 110 Intro. to Human Communication—3units
Gened 110 World of the Arts—3 units	Gened 120 Historical Perspectives or 140 Global Perspectives—3 units
PEGNRL 192 Personal Health—1 unit	Gened 130 Individual and Society—3 units
<b>17 units</b>	<b>17 units</b>

Sophomore Year	
Semester I	Semester II
Math 255 Calculus with Analytic Geometry III – 3 units	Math 359 Math Modeling & Statistics – 3 units
Math 280 Discrete Mathematics – 3 units	Math 355 Matrices & Linear Algebra – 3 units
Biology/Physical Science – 3 units	English 370 Adv Comp or English 372 Tech & Scientific Writing – 3 units
SPECED 205 Psychology of the Exceptional Child – 3 units	Minor Course – 3 units
Minor Course—3 units	Minor Course—3 units
Minor Course—3 units	Minor Course—3 units
<b>18 units</b>	<b>18 units</b>

Junior Year	
Semester I	Semester II
Math 301 Introduction to Analysis – 3 units	Math 452 Introduction to Abstract Algebra – 3 units
Math 441 Probability Theory – 3 units	Math 353 College Geometry – 5 units
EDFOUND 212 Educational Psychology – 3 units	Gened 390 World of Ideas – 3 units
EDFOUND 243 Education in a Pluralistic Society – 3 units	Minor Course—3 units
EDFOUND 210 Foundations of Education – 3 units	Minor Course—3 units
Minor Course—3 units	
<b>18 units</b>	<b>17 units</b>

Senior Year	
Semester I	Semester II
Math 453 Abstract Algebra – 3 units	CIFLD 412 or 414 Directed Teaching – 12 units
SECNDED 428 Methods of Teaching – 3 units	
SECNDED 466 Literacy Strategies – 3 units	
EDFOUND 425 Measurement & Evaluation – 3 units	
CIFLD 492 Field Study – 3 units	
CIFLD 402 or 404 Alternate Directed Teaching – 2 units	
<b>17 units</b>	<b>12 units</b>

Mathematical & Computer Sciences Department Website: <http://math.uww.edu/>  
College of Education Admission to Professional Education Website: [http://www.uww.edu/coe/admission/prof\\_ed\\_admin/](http://www.uww.edu/coe/admission/prof_ed_admin/)

Color Key: Green = Admission to College of Education Required; Purple = General Ed Course; Red = Major Course; Brown = Unique Requirement for Major