



**Sample 4-Year Plan (Fall 2016 Requirements)  
 Mathematics, Secondary Education Emphasis  
 Bachelor of Science in Education, COLLEGE OF LETTERS AND SCIENCES**

The 4 year Plan **illustrates the type of curriculum a new freshman** would take to complete a degree in 4 years; it is not an official document. Refer to Academic Advising Report for full requirements.

Sample Academic Advising Reports are available on-line at:

<http://www.uww.edu/registrar/sample-aars/sample-aars-undergraduate/mathematics-aar>

1 <sup>st</sup> Semester	Units	2 <sup>nd</sup> Semester	Units
<b>MATH 253 Calculus &amp; Analytic Geometry I</b>	5	<b>MATH 254 Calculus &amp; Analytic Geometry II</b>	5
SPECED 205 Psychology of the Exceptional Child	3	<b>MATH 355 Matrices &amp; Linear Algebra</b>	3
ENGLISH 101 Freshman English	3	COMM 110 Intro to Human Communication	3
GENED 110 or 130	3	GENED 110 or 130	3
PEGNRL 192 Personal Health & Fitness	1	ENGLISH 102 Freshman English	3
INTRAUNV 104 New Student Seminar (Recommended)	1		
Semester Total	16	Semester Total	17
3 <sup>rd</sup> Semester	Units	4 <sup>th</sup> Semester	Units
<b>MATH 255 Calculus &amp; Analytic Geometry III</b>	3	<b>MATH 353 College Geometry</b>	5
<b>MATH 280 Discrete Mathematics</b>	3	<b>MATH 359 Probability and Statistics for Teachers</b>	3
<b>EDFOUND 212 Educational Psychology</b>	3	GENED 120 or 140	3
<b>EDFOUND 243 Education in a Pluralistic Society</b>	3	BIO 120 or Physical Lab Science	4-5
<b>EDFNDPRC 210 Introduction to Education &amp; Teaching</b>	3	Minor Course	3
Minor Course	3		
Semester Total	18	Semester Total	18-19
5 <sup>th</sup> Semester	Units	6 <sup>th</sup> Semester	Units
<b>MATH 301 Introduction to Analysis</b>	3	<b>MATH 421 Mathematics for High School Teachers I</b>	3
<b>MATH 452 Introduction to Abstract Algebra</b>	3	GENED 390 World of Ideas	3
<b>ENGLISH 370 OR ENGLISH 372 Technical &amp; Scientific Writing</b>	3	Biology or Physical Science (no lab necessary)	3
Minor Course	3	Minor Course	3
Minor Course	3	Minor Course	3
Minor Course	3	Minor Course	3
Semester Total	18	Semester Total	18
*Take Praxis II this semester			
7 <sup>th</sup> Semester	Units	8 <sup>th</sup> Semester	Units
<b>MATH 422 Mathematics for High School Teachers II</b>	3	<b>CIFLD 412 or 414 Directed Teaching</b>	12
<b>SECNDED 428 Methods of Teaching</b>	3	Students who have successfully completed CIFLD 402 Alternate Directed Teaching (Middle School) must take CIFLD 414 Directed Teaching (Secondary). Students who have successfully completed CIFLD 404 Alternate Directed Teaching (Secondary) must take CIFLD 412 Directed Teaching (Middle School).	
<b>SECNDED 466 Literacy Strategies</b>	3		
<b>EDFOUND 425 Measurement &amp; Evaluation</b>	3		
<b>CIFLD 492 Field Study</b>	3		
<b>CIFLD 402 or 404 Alternate Directed Teaching</b>	2		
Semester Total	17	Semester Total	12

Department Website: <http://www.uww.edu/cls/departments/math>

**Transfer students may have different general education requirements than those listed. Refer to your Advising Report for requirements specific to you.**

## General Degree Notes

You must begin your Math and English sequences with the appropriate course. Your ACT/SAT score will determine the English course in which you start. Your UW Math Placement score will determine the Math course in which you start. Please refer to your Academic Advising Report and adjust the sample 4-year plan accordingly.

All students must complete a minimum of 120 credits including:

- 1) At least 32 units of general education, including specific Gen Ed core courses, as well as approved math and science, physical education, and elective courses. Your general education electives must come from the following categories: GA, GS, GH, GE, or GI.
- 2) All requirements for the BSE Degree.
- 3) All requirements for the major and minor (if required).

## Bachelor of Science in Education Degree Notes

All BSE students are required to take two science courses meeting the following requirements:

- 1) At least one of the courses must be a lab science course designated GL.
- 2) Exactly one of the courses must be a biology course.
- 3) Exactly one of the courses must be a physical science course selected from Astronomy, Chemistry, Geology, or Physics, or GEOGRPY 210.

## Major Notes

The Planning Guide begins with the most common placement for this major. Students who place lower may need additional math credits.

Courses in **bold** typeface indicate specific courses that must be completed for the major.