



**Sample 4-Year Plan (Fall 2019 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 st Semester	Units	2 nd Semester	Units
MATH 253 Calculus & Analytic Geometry I	5	MATH 254 Calculus & Analytic Geometry II	4
SPECED 205 Psychology of the Exceptional Child	3	MATH 355 Matrices & Linear Algebra	3
ENGLISH 101 Freshman English	3	MATH 200 Mathematics: Form and Function	1
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	Minor course	3
Semester Total	16	Semester Total	17
3 rd Semester	Units	4 th Semester	Units
MATH 255 Calculus & Analytic Geometry III	4	MATH 359 Probability and Statistics for Teachers (Spring)	4
MATH 280 Discrete Mathematics	3	MATH 353 College Geometry (Spring)	5
COMM 110 Intro to Human Communication	3	GENED 120 or 140	3
Lab Science (GL)	4 - 5	Minor course	3
Minor Course	3	Minor Course	3
Semester Total	17-18	Semester Total	18
5 th Semester	Units	6 th Semester	Units
MATH 452 Introduction to Abstract Algebra (Fall)	3	MATH 421 Mathematics for High School Teachers I (Spring)	3
MATH 301 Introduction to Analysis	3	EDFOUND 425 Measurement & Evaluation	3
EDFOUND 212 Educational Psychology	3	GENED 390 World of Ideas	3
EDFOUND 243 Education in a Pluralistic Society	3	Eng 370 or 372	3
EDFNDPRC 210 Introduction to Education & Teaching	3	Minor Course	3
Minor Course	3	Minor Course	3
Semester Total	18	Semester Total	18
*Take Praxis II this semester (if needed)			
7 th Semester	Units	8 th Semester	Units
MATH 422 Mathematics for High School Teachers II (Fall)	3	CIFLD 412 or 414 Directed Teaching	12
SECNDED 428 Methods of Teaching (Fall)	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).	
SECNDED 466 Literacy Strategies	3		
SECNDED 460 Secondary Field Study Seminar	3		
CIFLD 402 or 404 Alternate Directed Teaching	2		
Minor Course	3		
Semester Total	17	Semester Total	12

Department Website: <http://www.uww.edu/cis/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).

Major Notes

The Planning Guide begins with the first required course 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.

Other Recommended Courses

SECNDED 472 Middle L. STEM Methods (3 units) (Fall)

CIGEN 470 Student Teaching Seminar (2 units)

CIGEN 489 Employment Strategies (3 units)

CIGEN 350 Introduction to ESL and Bilingual-Bicultural Education (3 units)

EDFOUND 475 Understanding and Dealing with Disruptive Classroom Behavior (3 units)