

## Mathematics, Teaching, B.S., Major

The following is a hypothetical schedule, based on the 2018-2019 catalog. It assumes no transferred credits, no requirements waived by placement tests, and no courses taken in the summer. UW-Eau Claire cannot guarantee all courses will be offered as shown, but will provide a range of courses that will enable prepared students to fulfill their requirements in a timely period. This is just a guide. Please consult your advisor, the catalog, and your degree audit for specific requirements.

### FIRST YEAR

FIRST SEMESTER			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
MATH 114	Calculus 1	4	MATH 215	Calculus II	4
WRIT 114, 116, 118 or 120	Blugold Seminar (S1)	5	MATH Elective	Above 305 (Suggested MATH 307 S3 and I1)	3
LE Core Elective	Biology (K1)	4	ES 212 <sup>a</sup>	Initial Teaching Experience	2
POLS 110	American National Politics (R3 and K2)	3	LE Core Elective	Natural Science (K1) and Integrative Learning (I1)	4
			Minor		3
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>16</b>

### SECOND YEAR

FIRST SEMESTER			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
MATH 216	Calculus III	4	PSYC 260	Educational Psychology (K2)	3
MATH 345	Intro. To Probability and Statistics	4	MATH 324	Linear Algebra and Matrix Theory	4
CJ 201, 202, or 203	Fundamentals of Speech (S1)	3	MATH Elective	Above 305 (Suggested S3 and/or I1)	3
Minor		3	Minor		3
LE Core Elective	Humanities (K3) and Equity, Diversity, Inclusivity (R1)	3	Minor		3
<b>TOTAL</b>		<b>17</b>	<b>TOTAL</b>		<b>16</b>

### THIRD YEAR

FIRST SEMESTER – Apply for Admission to Major			SECOND SEMESTER <sup>b</sup>		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
MATH 425	Abstract Algebra I	3	MATH 451	Teaching Mathematics with Technology	4
LE Core Elective	Humanities (K3), Literature, and Global Learning (R2)	3	ES 385	Social Foundations: Human Relations (R1 and DD)	3
MATH 330	Modern Geometry	4	LE Core Elective	Fine Arts (K4)	3
Minor		3	Minor		3
Minor		3	Minor		3
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>16</b>

### FOURTH YEAR

FIRST SEMESTER			SECOND SEMESTER <sup>c</sup>		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
ES 312	General Methods	2	ES 445	Student Teaching in Middle Level Education	6
ES 318	Teacher Assisting	1			
ES 328	Content Area Reading	2	ES 470	Student Teaching in Secondary Education	6
ES 357	Teaching Math Grades 6-12	2			
ES 3XX	Methods course in minor	2			
ES 317	Middle Level Methods	2	ES 497	Field Experience Seminar (S3 and I1)	2
ES 490	Historical, Legal, and Philosophical Foundations of Education	3			
SPED 300	Inclusive Practices for Secondary Educators	3			
<b>TOTAL</b>		<b>17</b>	<b>TOTAL</b>		<b>14</b>

## RECOMMENDATIONS FOR OPTIONAL HIGH IMPACT PRACTICES (HIPs)

The University of Wisconsin-Eau Claire encourages all students to participate in High Impact Practices. The following information identifies any specific recommendations that faculty in this major have concerning which HIPs might be most beneficial to students, and any recommendations about when those HIPs best fit into the degree plan. Students should also consult their faculty advisor for information on HIPs.

Once admitted to the School of Education, students participate in High Impact Practices during the Block semester and Student Teaching.

## NOTES

### Liberal Education Core (LE Core)

The LE Core comprises 17 learning experiences across 11 learning outcomes. Students must complete a minimum of 36 credits in courses approved for the LE Core.

- K1 – Natural Sciences; two experiences (one lab science experience is required in K1 or K2).
- K2 – Social Sciences; two experiences (one lab science experience is required in K1 or K2).
- K3 – Humanities; two experiences.
- K4 – Fine Arts; one experience.
- S1 – Written and Oral Communication; two experiences (one experience must satisfy the University writing requirement).
- S2 – Mathematics; one experience (must satisfy the University math competency requirement).
- S3 – Creativity; one experience (can be fulfilled in a student's major).
- R1 – Equity, Diversity, and Inclusivity; two experiences (one experience must meet the UW System Design for Diversity (DD) requirement).
- R2 – Global Perspectives; one experience.
- R3 – Civic and Environmental Issues; one experience.
- I1 – Integration; two experiences (one experience can be fulfilled in a student's major).

### Additional LE Core Information

- Most LE Core learning experiences are course based, and many courses meet more than one learning outcome (e.g., K3 and R2 or K1 and R3).
- Some learning experiences can also be met outside of a traditional course (e.g., undergraduate research (S3), study abroad (I1)).
- S1 – An English placement score that fulfills the University writing requirement fulfills one S1 experience.
- S1 – A foreign Language placement score that qualifies the student to enter the 102 level satisfies one S1 experience.
- S1, R2 – A foreign language placement score that qualifies the student to enter the 202 level satisfies one experience in S1 and the R2 experience.
- S2 – A math placement score that qualifies the student to enter Math 111, 112, 113 or 114 fulfills the S2 experience.
- S3 – Completion of two credits from any approved music ensemble fulfills the S3 experience.
- I1 – Any semester long study abroad program can fulfill one I1 experience.

### Course Suggestions (if applicable)

#### Application to Major

- <sup>a</sup> Students must have qualifying ACT scores or taken and passed Praxis CORE.
- <sup>b</sup> Student must be admitted to the School of Education
- <sup>c</sup> Student must be admitted to the Professional Semester