Mathematics, Teaching, B.S. Major

The following is a hypothetical schedule, based on the 2019-2020 catalog. It assumes no transferred credits, no requirements waived by placement tests, no courses taken in the summer or winter, and no remedial courses that may be required. 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, your degree audit, and the catalog to create your personalized degree plan. Note: In order to complete their degrees in four years, students should plan to take 15 credits each semester or 30 credits each year.

### 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 | ES 212\(^a\) | Initial Teaching Experience | 2

**SOME TIME IN THE FIRST YEAR:**

| Subj/Area/Course | Title | Crs | Subj/Area/Course | Title | Crs
|---|---|---|---|---|---
MATH Elective | Above 305 (Suggested S3 and/or I1) | 3 | LE Core Elective | From some time in 1st or 2nd year | 3
Minor | From some time in 1st or 2nd year | 3 | Elective | From some time in 1st or 2nd year | 3
LE Core Elective | From some time in 1st or 2nd year | 4 | CJ 201, 202, or 203 | Fundamentals of Speech (S1) | 3

**TOTAL FIRST YEAR** | 34

### SECOND YEAR

**FIRST SEMESTER** | **SECOND SEMESTER**
---|---
Subj/Area/Course | Title | Crs | Subj/Area/Course | Title | Crs
MATH 216 | Calculus III | 4 | Minor | 3
MATH 345 (Fall only) | Intro. To Probability and Statistics | 4 | Minor | 3

**SOME TIME IN THE SECOND YEAR:**

| Subj/Area/Course | Title | Crs | Subj/Area/Course | Title | Crs
|---|---|---|---|---|---
LE Core Elective | From some time in 1st or 2nd year | 4 | ES 385 | Social Foundations: Human Relations (R1 and DD) | 3
MATH 324 | Linear Algebra and Matrix Theory | 4 | PSYC 260 | Educational Psychology (K2) | 3
LE Core Elective | From some time in 1st or 2nd year | 3 | Minor | From some time in 1st or 2nd year | 3

**TOTAL SECOND YEAR** | 34

**SOME TIME IN THE FIRST OR SECOND YEAR:**

| Subj/Area/Course | Title | Crs | Subj/Area/Course | Title | Crs
|---|---|---|---|---|---
LE Core Elective | Biology (K1) | 4 | LE Core Elective | Humanities (K3) and Equity, Diversity, Inclusivity (R1) | 3
LE Core Elective | Natural Science (K1) and Integrative Learning (I1) | 4 | LE Core Elective | Civic and Environmental Issues (R3) and Social Sciences (K2) | 3
Elective | Suggested Western competency course | 3 | Minor | 3

Minor | 3
THIRD YEAR

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER – Apply for Admission to COEHS</th>
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<tbody>
<tr>
<td>Subj/Area/Course</td>
<td>Title</td>
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<tr>
<td>MATH Elective</td>
<td>Above 305 (Suggested MATH 373 Fall only)</td>
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<tr>
<td>Minor</td>
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SOME TIME IN THE THIRD YEAR:

| Subj/Area/Course | Title | Crs | Subj/Area/Course | Title | Crs |
| MATH 425 | Abstract Algebra I | 3 | LE Core Elective | Fine Arts (K4) | 3 |
| Minor | | 3 | MATH 330 | Modern Geometry | 4 |
| LE Core Elective | Humanities (K3), Literature, and Global Learning (R2) | 3 | Elective | Suggested Non-Western competency course | 3 |

FOURTH YEAR

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<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>Subj/Area/Course</td>
<td>Title</td>
</tr>
<tr>
<td>ES 312</td>
<td>General Methods</td>
</tr>
<tr>
<td>ES 318</td>
<td>Teacher Assisting</td>
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<tr>
<td>ES 357 (Fall only)</td>
<td>Teaching Math Grades 6-12</td>
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<tr>
<td>ES 3XX</td>
<td>Methods cours in minor</td>
</tr>
<tr>
<td>SPED 300</td>
<td>Inclusive Practices for Secondary Education</td>
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</tbody>
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TOTAL THIRD YEAR | 36 |
TOTAL FOURTH YEAR | 31 |

RECOMMENDATIONS FOR 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. There are many additional high impact opportunities available. Talk to your academic advisor for more information about incorporating HIPs like Study Abroad, Intercultural Immersion, Internship, and/or Student/Faculty Collaborative Research into your time at UW-Eau Claire.

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).
- SL—Service Learning; 30 hours
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.

Application to Major

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