SECONDARY EDUCATION
(SECONDARY EDUCATION
MATH) - BACHELOR OF
SCIENCE IN EDUCATION

General education and professional education requirements are similar for all degree programs in the College of Education. Students should meet with an advisor to plan appropriate general education courses for a secondary education major. The below programs are labeled as Concentrations in the catalog and on student transcripts, but are also recognized at "Teaching Fields" for the Teacher Education Program.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 123 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Title</th>
<th>Credits</th>
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**General Education**

**Area I: Communications**

**English Composition - Level 1**

ENGL 111G Rhetoric and Composition 4

**English Composition - Level 2**

Choose one from the following:

- ENGL 211G Writing in the Humanities and Social Sciences 3
- ENGL 311G Advanced Composition
- ENGL 318G Advanced Technical and Professional Communication

**Oral Communication**

Choose one from the following:

- COMM 253G Public Speaking 3
- COMM 265G Principles of Human Communication
- AXED 201G Effective Leadership and Communication in Agricultural Organizations

**Area II: Mathematics**

**MATH 191G** Calculus and Analytic Geometry I 4

**Area III/IV: Laboratory Sciences and Social/Behavioral Sciences** 11

Choose one from the following:

- PHYS 211G & 211GL General Physics I and General Physics I Laboratory
- PHYS 215G & 215GL Engineering Physics I and Engineering Physics I Laboratory

Choose one from the following:

- PHYS 212G & 212GL General Physics II and General Physics II Laboratory
- PHYS 216G & 216GL Engineering Physics II and Engineering Physics II Laboratory
- CEP 110G Human Growth and Behavior 3

**Area V: Humanities**

**Area VI: Creative and Fine Arts**

Choose one from the following:

- ART 101G Orientation in Art 3
- DANC 101G Dance Appreciation
- MUS 101G An Introduction to Music
- MUS 201G History of Jazz in Popular Music: A Blending of Cultures
- THTR 101G The World of Theatre

**General Education Elective**

**MATH 192G** Calculus and Analytic Geometry II 4

**Viewing a Wider World**

LIB 311V Information Literacy 3

The 2nd VWW requirements will be satisfied with the concentration/teaching field courses 2

**Departmental/College Requirements**

**Education Core Courses**

EDUC 281 Introduction to Secondary Education and Youth 3

EDUC 315 Multicultural Education 3

SPED 350 Introduction to Special Education in a Diverse Society 3

EDLT 368 Integrating Technology with Teaching 4 3

EDUC 381 Secondary Field Experience 4 3

EDUC 342 Sheltered English Instruction for the ESL Classroom 5 3

EDUC 402 Data Literacy and Assessment 5 3

EDUC 475 Contemporary Issues in Education 5 3

EDUC 462 Teaching Mathematics at the Middle and High School Level 5 3

RDG 414 Content Area Literacy 5 3

SPED 480 Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society 5 3

**Student Teaching**

EDUC 471 Secondary Student Teaching 5 9

EDUC 482 Middle and High School Student Teaching Seminar 5 3

**Math Concentration/Teaching Field Courses**

**MATH 291G** Calculus and Analytic Geometry III 3

C S 111 Computer Science Principles 4

E T 182 Digital Logic 3

MATH 279 Introduction to Higher Mathematics 3

MATH 280 Introduction to Linear Algebra 3

STAT 371 or A ST 311 Statistics for Engineers and Scientists I or Statistical Applications 3

Math elective 300+ 3

Math elective 300+ 3

Math elective 300+ 3

**Non-Departmental Requirements (in addition to Gen.Ed/VWW)**

HIST 201G Introduction to Early American History 3

or HIST 202G Introduction to Recent American History 3
Choose one from the following:  

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ECON 201G</td>
<td>Introduction to Economics</td>
</tr>
<tr>
<td>ECON 251G</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 252G</td>
<td>Principles of Microeconomics</td>
</tr>
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Choose one from the following:  

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<tbody>
<tr>
<td>ANTH 120G</td>
<td>Human Ancestors</td>
</tr>
<tr>
<td>ANTH 125G</td>
<td>Introduction to World Cultures</td>
</tr>
<tr>
<td>ANTH 201G</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANTH 202G</td>
<td>World Archaeology</td>
</tr>
<tr>
<td>GEOG 112G</td>
<td>World Regional Geography</td>
</tr>
<tr>
<td>GEOG 120G</td>
<td>Culture and Environment</td>
</tr>
<tr>
<td>GOVT 100G</td>
<td>American National Government</td>
</tr>
<tr>
<td>GOVT 110G</td>
<td>Introduction to Political Science</td>
</tr>
<tr>
<td>GOVT 150G</td>
<td>American Political Issues</td>
</tr>
<tr>
<td>GOVT 160G</td>
<td>International Political Issues</td>
</tr>
<tr>
<td>SOC 101G</td>
<td>Introductory Sociology</td>
</tr>
<tr>
<td>SOC 201G</td>
<td>Contemporary Social Problems</td>
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**Second Language: (not required)**

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**Electives, to bring the total credits to 123**

**Total Credits**  123

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1. MATH 191G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter MATH 191G first.
2. The 9 credits of Upper-Division MATH courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.
3. Courses are prerequisites for Teacher Education Program (TEP)
4. Courses are corequisites for Teacher Education Program (TEP)
5. Courses require admission to the TEP