Department of Curriculum, Instruction, and Special Education

Interim Department Head: Janice Nicholson
Office: 310 Allen Hall

The Department of Curriculum, Instruction, and Special Education at Mississippi State University is a collaborative community of scholars and educators. We are committed to the belief that education is the primary vehicle for equity and justice in the state of Mississippi and beyond. In keeping with the land grant and research-extensive mission of Mississippi State University, and in support of the mission of the College of Education, the Department of Curriculum, Instruction, and Special Education is committed to academic excellence, intellectual rigor, and lifelong learning. It is our mission to contribute to teaching and learning P-12 and beyond through teaching and learning, research and inquiry, and service and outreach. Faculty and staff in the department of Curriculum, Instruction, and Special Education believe that accomplished educators possess in-depth knowledge of content and teaching practices, including discipline-specific practices, that allow them to create engaging, relevant experiences for all students. The goal of our department is to meet the needs of all students through the preparation of effective, responsive scholars and practitioners who use theory, research, and a wide variety of tools, including technology, to enhance their work in a global, diverse, and changing society. The measure of our success is improved outcomes for diverse students, P-12 and beyond.

Undergraduate degree programs in the department of Curriculum, Instruction and Special Education prepare teacher candidates for positions as teachers in classrooms from preK through twelfth grade. These programs include coursework and experiences that focus on subject matter knowledge, foundations of education, instruction and assessment, practice and reflection, and field experiences in diverse classrooms. Persons interested in degrees offered by the department are advised to obtain a copy of advising worksheets, available in 310 Allen Hall, from any departmental advisor, or at our website, www.cise.msstate.edu.

Elementary Education Major (ELED)

All elementary education majors receive certification to teach at the elementary (preK-3 or preK-6) grade levels and additional endorsement in either early childhood or middle school content areas. The first two years of the degree program focus on developing subject matter knowledge in mathematics, English language arts, science, and social sciences. The junior year includes two mini-blocks of courses: one that emphasizes teaching at the early childhood levels (pre-K-3rd grade), and one that emphasizes teaching at the middle school levels (4th-8th grades). The senior year includes the senior methods block – four co-requisite courses with extensive field experiences that prepare graduates for the teaching of subject matter. The Elementary Education curriculum culminates in the teaching internship, a semester-long field experience in public schools. Students choose either a middle school concentration or an early childhood concentration. The middle school concentration leads to preK-6 general certification with 4th-8th grade subject area certification. The early childhood concentration leads to preK-3 general certification with N-1 (nursery-1st grade) early childhood/special education certification. Some students may wish to enroll in additional coursework to obtain licensure in elementary special education, reading, or other areas. See an advisor for more information.

Secondary Education Major (SEED)

The purpose of the Secondary Education major is to prepare students to teach the academic subjects in grades 7-12 by providing professional courses and experiences for those desiring to teach at the middle and high school levels. The Secondary Education program is designed to lead teacher candidates to 7-12 licensure in English, Mathematics, Biology, Chemistry, Physics, or Social Studies, or to K-12 licensure in the teaching of foreign languages. Degree programs include pedagogy courses that require field experiences in middle and high schools, as well as opportunities to master content area pedagogy. The secondary education degree culminates in a semester-long student teaching internship in a middle or high school classroom.

Special Education Major (EXED)

The program in Special Education is designed to prepare teachers to teach children and youth with learning disabilities, intellectual disabilities, and other areas of exceptionality. The curriculum in special education is designed to meet the requirements for the endorsements in the areas of specialization. The degree program includes extensive field experiences working in schools and classrooms. Courses in the degree program provide students with methods for teaching early childhood, elementary, and secondary students with special needs. The degree program culminates in a semester-long teaching internship in a K-12 setting.

Master of Arts in Teaching (MAT-S, MAT-M, and MAT-X)

Individuals who have already earned a bachelor’s degree in another discipline and are eligible for graduate studies can obtain initial teaching licensure and the Master’s degree by completing the Master of Arts in Teaching program. The MAT-Secondary degree prepares teachers of content areas for secondary classrooms in a variety of content areas. The MAT-Middle Level prepares teachers for self-contained elementary classrooms (grades 4-6) and for middle school content area licensure. The MAT-Special Education prepares teachers for self-contained and inclusion K-12 classrooms. All three
MAT programs are offered online and include courses in pedagogy, assessment, classroom management, and internship courses completed after the student is hired as a classroom teacher.

**Graduate Programs in CISE**

The department offers Master's and Educational Specialist degree programs in Elementary, Secondary, and Special Education. These programs provide coursework and field experiences for classroom teachers and other educators wishing to improve their practice. The department also offers the PhD in Curriculum and Instruction with concentrations in general curriculum and instruction, elementary education, secondary education, special education, reading, and early childhood education.

**Elementary Education Major (ELED)**

**Major Advisors:** Kathleen Alley, Kenneth Anthony, Stephanie Bennett, Kristin Javorsky, Nicole Miller, and Rebecca Robichaux-Davis

**Office:** 310 Allen Hall

**General Education Requirements**

- **English Composition**
  - EN 1103: English Composition I
  - EN 1163: Accelerated Composition I
  - EN 1113: English Composition II
  - EN 1173: Accelerated Composition II

- **Mathematics**
  - MA 1313: College Algebra
  - MA 1413: Structure of the Real Number System
  - MA 1423: Problem Solving with Real Numbers
  - MA 1433: Informal Geometry and Measurement

- **Science**
  - See General Education courses (must be lab-based courses)

- **Humanities**
  - Choose one of the following:
    - HI 1063: Early U.S. History
    - HI 1163: World History Before 1500
    - HI 1213: Early Western World
  - Choose one of the following:
    - HI 1073: Modern U.S. History
    - HI 1173: World History Since 1500
    - HI 1223: Modern Western World

- **Fine Arts**
  - See General Education courses

- **Social/Behavioral Sciences**
  - GR 1123: Introduction to World Geography
  - PS 1113: American Government
  - or SO 1003: Introduction to Sociology
  - or SO 1203: Sociology of Families

- **Additional Core**
  - Natural Science courses
  - English Literature Elective (see General Education courses)
  - English Grammar Elective OR English course above EN 1113

- **Major Core**
  - EDE 2521: Introduction to Elementary Education
  - RDG 3113: Early Literacy Instruction I
  - RDG 3123: Early Literacy Instruction II
  - EDE 3123: Early Childhood Education
  - EDX 3213: Individualizing Instruction for Exceptional Children
Mississippi State University

RDG 3413 Middle Level Literacy I \(^1\) 3
RDG 3423 Middle Level Literacy II \(^1\) 3
EDE 3223 Middle Level Education \(^1\) 3
EDF 3333 Social Foundations of Education 3
EDF 3423 Exploring Diversity Through Writing \(^1\) 3
EDE 3443 Creative Arts for Elementary and Middle Levels \(^1\) 3
EDE 3523 Foundations of Elementary & Middle Level Mathematics Education \(^1\) 3
EDE 4113 Teaching Elementary and Middle Level Science \(^1\) 3
EDE 4123 Teaching Elementary and Middle Level Mathematics \(^1\) 3
RDG 4133 Integrating Language Arts Instruction in the Content Areas \(^1\) 3
EDE 4143 Teaching Elementary and Middle Level Social Studies \(^1\) 3
EDE 4883 Managing the Elementary and Middle Level Classroom \(^1\) 3
EDE 4886 Elementary and Middle Level Teaching Internship \(^1\) 6
EDE 4896 Elementary and Middle Level Teaching Internship \(^1\) 6

Early Childhood Concentration (ECHD)

Leads to K-3 general certification with N-1 (nursery - 1\(^{st}\) grade) early childhood/special education certification.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 2813</td>
<td>Child Development</td>
<td>3</td>
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<tr>
<td>HS 2803</td>
<td>Prenatal and Infant Development</td>
<td>3</td>
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<tr>
<td>HDFS 3803</td>
<td>Creativity &amp; Play in Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EDX 4113</td>
<td>Methods and Materials for Early Childhood Students with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>or HDFS 4803</td>
<td>Parenting</td>
<td></td>
</tr>
</tbody>
</table>

Students choosing the Early Childhood Education concentration may obtain K-6 certification by taking, in addition to the K-3 requirements, EDE 3223 and any two of the following: 3 hours of English, 3 hours of math, 3 hours of social studies, and/or 3 hours science.

Middle School Concentration (MDSC)

Leads to K-6 general certification with 4\(^{th}\)-8\(^{th}\) grade subject area certification.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 3223</td>
<td>Middle Level Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Twelve hours certification endorsement area electives.

Two 21-hour endorsement areas required. See Advisor.

Total Hours 123

Many courses have co-requisites. See catalog or advisor.

\(^1\) Requires admission to Teacher Education.

Secondary Education Major (SEED)

English Education Concentration (ENED)

Major Advisor: Missy Hopper; Office: 310 Allen

The curriculum in English Language Arts is offered to prepare students to teach English Language Arts in high schools and middle schools and has been designed based on the Standards of the National Council of Teachers of English. A minimum of 42 hours in English beyond freshman composition is required.

General Education Requirements

English Composition

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1103</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1163</td>
<td>Accelerated Composition I</td>
<td></td>
</tr>
<tr>
<td>EN 1113</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1173</td>
<td>Accelerated Composition II</td>
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</table>

Mathematics
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 1313</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MA higher than Algebra</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Science**

- BIO Science with lab (see General Education courses) | 3
- Physical Science with lab (see General Education courses) | 3

**Math/Science Elective**

- See General Education courses | 3

**Humanities**

- HI 1063 Early U.S. History | 3
- HI 1073 Modern U.S. History | 3

**Fine Arts**

- See General Education courses (excluding CO 1503) | 6

**Social/Behavioral Sciences**

- See General Education courses | 6

**Major Core**

- EDS 3411 Practicum in Secondary Education | 1
- EDF 3333 Social Foundations of Education | 3
- EDX 3213 Individualizing Instruction for Exceptional Children | 3
- RDG 3513 Developing Reading Strategies in the Secondary School Content Areas | 1
- EDE 3343 Teaching Adolescent Literature | 3
- EPY 3143 Human Development and Learning Strategies in Education | 1
- EDF 4243 Planning for the Diversity of Learners | 1
- EPY 3253 Evaluating Learning | 1
- EDS 3673 Secondary Language Arts Education | 1
- EDS 4673 Methods of Teaching Language Arts | 1
- EDS 4873 Seminar in Managing the Secondary Classroom | 1
- EDS 4886 Teaching Internship in Secondary Education | 1
- EDS 4896 Teaching Internship in Secondary Education | 1

**Content Area**

- CO 1503 Introduction to the Theatre | 3
- EN 2203 Introduction to Literature | 3
- EN 2213 English Literature before 1800 | 3
- EN 2223 English Literature After 1800 | 3
- EN 2243 American Literature Before 1865 | 3
- EN 2253 American Literature After 1865 | 3
- EN 2273 World Literature Before 1600 | 3
- or EN 2283 World Literature After 1600 | 3
- EN 2434 Literature and Film | 4
- EN 3414 Critical Writing and Research in Literary Studies | 4
- EN 3423 Descriptive English Grammar | 3
- EN 4503 Shakespeare | 3
- or EN 4513 Shakespeare | 3
- EN 4413 History of the English Language | 3
- or EN 4403 Introduction to Linguistics | 3
- or EN 4633 Language and Society | 3
- EN 4323 Literary Criticism from Plato-Present | 3
- or EN 4353 Critical Theory Since 1900 | 3

**OR Electives - 3000/4000 level** | 6

**Oral Communication Requirement**

- Satisfied by successful completion of EDS 3673

**Computer Literacy Requirement**

- Satisfied by successful completion of EDS 4673 and EDF 4243
**Writing Requirement**

Satisfied by successful completion of EN 3414

**Total Hours** 124

1 Requires admission to Teacher Education.

**Foreign Language Education Concentration (FLED)**

Major Advisor: Kelly Moser; Office: 310 Allen Hall

This curriculum in Foreign Language Education is offered to prepare prospective teachers of Spanish, French, or German. The curriculum has been designed based on standards developed by the American Council on the Teaching of Foreign Languages. The degree prepares prospective teachers of Spanish, French, or German and leads to K-12 licensure. A minimum of 35 semester hours above FLS 1123 Spanish II/FLF 1123 French II/FLG 1123 German II in one language is required for the first teaching field. An endorsement in a second foreign language requires 21 hours in the second language.

In addition to the required courses listed below, students must interview and demonstrate oral proficiency at the Intermediate-Mid level prior to admission to Phase II: Teacher Education. To be considered for Phase III: Teacher Licensure, students must demonstrate Advanced-Low proficiency on the Oral Proficiency Interview. Students should see the advisor or visit http://actflproficiencyguidelines2012.org/ for more information.

**General Education Requirements**

**English Composition**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1103</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1163</td>
<td>Accelerated Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EN 1113</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1173</td>
<td>Accelerated Composition II</td>
<td>3</td>
</tr>
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</table>

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 1313</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MA higher than College Algebra (see Gen. Ed.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO Science with lab (see General Education courses)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical Science with lab (see General Education courses)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Math/Science Elective**

Consult Advisor. See General Education courses

**Humanities**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 2273</td>
<td>World Literature Before 1600</td>
<td>3</td>
</tr>
<tr>
<td>EN 2283</td>
<td>World Literature After 1600</td>
<td>3</td>
</tr>
</tbody>
</table>

**Fine Arts**

See General Education courses

**Social/Behavioral Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GR 1123</td>
<td>Introduction to World Geography</td>
<td>3</td>
</tr>
<tr>
<td>AN 1143</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3333</td>
<td>Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4243</td>
<td>Planning for the Diversity of Learners ¹</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3143</td>
<td>Human Development and Learning Strategies in Education ¹</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3253</td>
<td>Evaluating Learning ¹</td>
<td>3</td>
</tr>
<tr>
<td>EDX 3213</td>
<td>Individualizing Instruction for Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>RDG 3513</td>
<td>Developing Reading Strategies in the Secondary School Content Areas ¹</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3411</td>
<td>Practicum in Secondary Education ¹</td>
<td>1</td>
</tr>
<tr>
<td>EDS 3663</td>
<td>Secondary Foreign Language Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4683</td>
<td>Methods in Foreign Language Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4873</td>
<td>Seminar in Managing the Secondary Classroom ¹</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4888</td>
<td>Teaching Internship in Secondary Education ¹</td>
<td>6</td>
</tr>
<tr>
<td>EDS 4896</td>
<td>Teaching Internship in Secondary Education ¹</td>
<td>6</td>
</tr>
</tbody>
</table>

**Content Area**
FLS 2133  Spanish III  3
or FLF 2133  French III
or FLG 2133  German III
FLS 2143  Spanish IV  3
or FLF 2143  French IV
or FLG 2143  German IV
FLS 3113  Advanced Spanish Composition
& FLS 3111  and Advanced Spanish Laboratory
or FLF 3114  Advanced French Composition
or FLG 3114  Advanced German Composition
FLS 3233  Advanced Spanish Conversation
& FLS 3121  and Advanced Spanish Conversation Practicum
or FLF 3124  Advanced French Conversation
or FLG 3124  Advanced German Conversation
FLF/FLS/FLG courses 3000-level or above  21
EN 4403  Introduction to Linguistics  3
EN 4463  Studies in Second Language Acquisition  3
Additional Humanities
HI 1213  Early Western World  3
or HI 1223  Modern Western World
PHI 1103  Introduction to Philosophy  3
Oral Communication Requirement
Satisfied by the successful completion of EDF 4243
Computer Literacy Requirement
Satisfied by the successful completion of EDF 4243
Total Hours  123

Admission to Teacher Education Required

Mathematics Education Concentration (MAED)
Major Advisor: Dana Franz; Office: 310 Allen Hall

This curriculum is offered for the education of prospective teachers of mathematics in grades 7-12. The degree program has been designed based on standards developed by the National Council of Teachers of Mathematics. A minimum of 36 semester hours of mathematics is required.

General Education Requirements

English Composition
EN 1103  English Composition I  3
or EN 1163  Accelerated Composition I
EN 1113  English Composition II  3
or EN 1173  Accelerated Composition II
Mathematics
MA 1713  Calculus I  3
MA 1723  Calculus II  3
Science
Biological Science w/lab (see General Education)  3
Physical Science  6
Humanities
HI 1063  Early U.S. History  3
HI 1073  Modern U.S. History  3
Fine Arts
See General Education courses  3
Social/Behavioral Sciences
PSY 1013  General Psychology  3
SO 1003  Introduction to Sociology  3

Additional Core
PS 1113  American Government  3
EN Literature Electives (see General Education)  6

Oral Communication Requirement
CO 1003  Fundamentals of Public Speaking  3

Computer Literacy Requirement
Choose one of the following:  3
CSE 1233  Computer Programming with C
CSE 1273  Computer Programming with Java

Writing Requirement
EDF 3413  Writing for Thinking  3

Major Core
EDF 4243  Planning for the Diversity of Learners 2  3
EDF 3333  Social Foundations of Education  3
EDX 3213  Individualizing Instruction for Exceptional Children  3
EPY 3143  Human Development and Learning Strategies in Education 2  3
EPY 3253  Evaluating Learning 2  3
RDG 3513  Developing Reading Strategies in the Secondary School Content Areas 2  3
EDS 3411  Practicum in Secondary Education 2  1
EDS 3633  Secondary Mathematics Education 2  3
EDS 4633  Methods of Teaching Mathematics 2  3
EDS 4873  Seminar in Managing the Secondary Classroom 2  3
EDS 4886  Teaching Internship in Secondary Education 2  6
EDS 4896  Teaching Internship in Secondary Education 2  6

Content Area
MA 2733  Calculus III  3
MA 2743  Calculus IV  3
MA 3053  Foundations of Mathematics  3
MA /ST 3123  Introduction to Statistical Inference  3
MA 3113  Introduction to Linear Algebra  3
MA 3163  Introduction to Modern Algebra  3
MA 3253  Differential Equations I  3
MA 3463  Foundations of Geometry  3
MA 3513  History of Mathematics  3
MA 4523  Introduction to Probability  3

Total Hours  124

1  Calculus-based PH 2213 or CH 1213 or higher
2  Requires admission to Teacher Education.

Biology Education Concentration (BIED)

Major Advisor: Ryan Walker; Office: 310 Allen Hall

The Biology Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12). Courses designed for non-science majors will not count toward a degree in any area of science education.

General Education Requirements

English Composition
EN 1103  English Composition I  3
or EN 1163  Accelerated Composition I
EN 1113  English Composition II  3
or EN 1173  Accelerated Composition II
### Mathematics
- MA 1313 College Algebra 3
- ST 3123 Introduction to Statistical Inference 3

### Science
- See Science Content Area 6

### Math/Science Elective
- See Sciences Content Area 3

### Humanities
- See General Education courses 6

### Fine Arts
- See General Education courses 3

### Social/Behavioral Sciences
- See General Education courses 6

### Major Core
- EDF 3333 Social Foundations of Education 3
- EDF 4243 Planning for the Diversity of Learners 3
- EDS 3411 Practicum in Secondary Education 1
- EDX 3213 Individualizing Instruction for Exceptional Children 3
- EPY 3143 Human Development and Learning Strategies in Education 3
- EPY 3253 Evaluating Learning 3
- EDS 3653 Secondary Science Education 3
- EDS 4653 Methods of Teaching Science 3
- EDS 4873 Seminar in Managing the Secondary Classroom 3
- EDS 4886 Teaching Internship in Secondary Education 6
- EDS 4896 Teaching Internship in Secondary Education 6
- RDG 3513 Developing Reading Strategies in the Secondary School Content Areas 3

### Concentration Courses
Choose 57 hours of approved coursework within concentration area. Must include the required subject area core. 57

<table>
<thead>
<tr>
<th>Required Subject area core (32 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1134 Biology I</td>
</tr>
<tr>
<td>BIO 1144 Biology II</td>
</tr>
<tr>
<td>BIO 2103 Cell Biology</td>
</tr>
<tr>
<td>BIO 3103 Genetics I</td>
</tr>
<tr>
<td>BIO 3104 Ecology</td>
</tr>
<tr>
<td>BIO 3304 General Microbiology</td>
</tr>
<tr>
<td>BIO 4113 Evolution</td>
</tr>
<tr>
<td>BCH 4013 Principles of Biochemistry</td>
</tr>
<tr>
<td>CH 1213 Chemistry I</td>
</tr>
<tr>
<td>CH 1211 Investigations in Chemistry I</td>
</tr>
</tbody>
</table>

Electives approved by advisor that result in a double major or an additional area of licensure (25 hrs)

### Oral Communication Requirement
Satisfied by the successful completion of EDF 4243

### Computer Literacy Requirement
Satisfied by the successful completion of EDS 3653

### Writing Requirement
Satisfied by the successful completion of EDF 4243 and EDS 3653

### Total Hours 124

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1. Requires Admission to Teacher Education.
2. At least 21 hours of BIO courses must be 3000-4000 level.
Chemistry Education Concentration (CHED)

Major Advisor: Ryan Walker; Office: 310 Allen Hall

The Chemistry Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the Next Generation Science Standards for prospective teachers at the secondary level (grades 7-12). Courses designed for non-science majors will not count toward a degree in any area of science education.

No grades of “D” will be accepted. Science courses designed for non-science majors will not be accepted.

**General Education Requirements**

<table>
<thead>
<tr>
<th>English Composition</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1103 English Composition I</td>
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<tr>
<td>or EN 1163 Accelerated Composition I</td>
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<tr>
<td>EN 1113 English Composition II</td>
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<tr>
<td>or EN 1173 Accelerated Composition II</td>
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<table>
<thead>
<tr>
<th>Mathematics</th>
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<tbody>
<tr>
<td>MA 1713 Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>ST 3123 Introduction to Statistical Inference</td>
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<table>
<thead>
<tr>
<th>Science</th>
<th>9</th>
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<tbody>
<tr>
<td>See Content Area</td>
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<table>
<thead>
<tr>
<th>Humanities Electives</th>
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<tbody>
<tr>
<td>See General Education courses</td>
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<table>
<thead>
<tr>
<th>Fine Arts</th>
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<tbody>
<tr>
<td>See General Education courses</td>
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<table>
<thead>
<tr>
<th>Social/Behavioral Sciences</th>
<th>6</th>
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<tbody>
<tr>
<td>See General Education courses</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Core</th>
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<tbody>
<tr>
<td>EDF 4243 Planning for the Diversity of Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3333 Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3411 Practicum in Secondary Education</td>
<td>1</td>
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<tr>
<td>EDX 3213 Individualizing Instruction for Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3143 Human Development and Learning Strategies in Education</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3253 Evaluating Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3653 Secondary Science Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4653 Methods of Teaching Science</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4873 Seminar in Managing the Secondary Classroom</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4886 Teaching Internship in Secondary Education</td>
<td>6</td>
</tr>
<tr>
<td>EDS 4896 Teaching Internship in Secondary Education</td>
<td>6</td>
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<tr>
<td>RDG 3513 Developing Reading Strategies in the Secondary School Content Areas</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Concentration Courses</th>
<th>57</th>
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<tbody>
<tr>
<td>Choose 57 hours of approved coursework within concentration area. Must include the required subject area core.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Required subject area core (26 hours)</th>
<th></th>
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<tbody>
<tr>
<td>CH 1213 Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CH 1211 Investigations in Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CH 1223 Chemistry II</td>
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</tr>
<tr>
<td>CH 1221 Investigations in Chemistry II</td>
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</tr>
<tr>
<td>CH 2311 Analytical Chemistry I Laboratory</td>
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</tr>
<tr>
<td>CH 2313 Analytical Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CH 3213 Inorganic Chemistry</td>
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</tr>
<tr>
<td>or CH 4213 Advanced Inorganic Chemistry I</td>
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<tr>
<td>CH 4511 Organic Chemistry Laboratory I</td>
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<tr>
<td>CH 4513 Organic Chemistry I</td>
<td></td>
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<tr>
<td>CH 4523 Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>CH 4521</td>
<td>Organic Chemistry Laboratory II</td>
</tr>
<tr>
<td>BCH 4013</td>
<td>Principles of Biochemistry</td>
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</table>

Electives approved by advisor that result in a double major or an additional area of licensure (31 hours)

**Oral Communication Requirement**
Satisfied by the successful completion of EDF 4243

**Computer Literacy Requirement**
Satisfied by the successful completion of EDF 4243

**Writing Requirement**
Satisfied by the successful completion of EDF 4243 and EDS 3653

**Total Hours**
124

1 Requires admission to teacher education.

---

### Physics Education Concentration (PHED)

**Major Advisor:** Ryan Walker; **Office:** 310 Allen Hall

The Physics Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12). Courses designed for non-science majors will not count toward a degree in any area of science education.

### General Education Requirements

#### English Composition

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1103</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1163</td>
<td>Accelerated Composition I</td>
<td></td>
</tr>
<tr>
<td>EN 1113</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1173</td>
<td>Accelerated Composition II</td>
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#### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MA 1713</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>ST 3123</td>
<td>Introduction to Statistical Inference</td>
<td>3</td>
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</tbody>
</table>

#### Science

See Content Area

9

#### Humanities Electives

See General Education courses

6

#### Fine Arts

See General Education courses

3

#### Social/Behavioral Sciences

See General Education courses

6

#### Major Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 4243</td>
<td>Planning for the Diversity of Learners 1</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3333</td>
<td>Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3411</td>
<td>Practicum in Secondary Education 1</td>
<td>1</td>
</tr>
<tr>
<td>EDX 3213</td>
<td>Individualizing Instruction for Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3143</td>
<td>Human Development and Learning Strategies in Education 1</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3253</td>
<td>Evaluating Learning 1</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3653</td>
<td>Secondary Science Education 1</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4653</td>
<td>Methods of Teaching Science 1</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4873</td>
<td>Seminar in Managing the Secondary Classroom 1</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4886</td>
<td>Teaching Internship in Secondary Education 1</td>
<td>6</td>
</tr>
<tr>
<td>EDS 4896</td>
<td>Teaching Internship in Secondary Education 1</td>
<td>6</td>
</tr>
<tr>
<td>RDG 3513</td>
<td>Developing Reading Strategies in the Secondary School Content Areas 1</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Concentration Courses

Choose 57 hours of approved coursework within concentration area. Must include the required subject area core

57

**Required Subject area core (28 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PH 1063</td>
<td>Descriptive Astronomy</td>
<td>3</td>
</tr>
</tbody>
</table>
PH 2213  Physics I  3
PH 2223  Physics II  3
PH 2233  Physics III  3
PH 4213  Intermediate Mechanics I  3
PH 4143  Intermediate Laboratory  3
CH 1213  Chemistry I  3
CH 1211  Investigations in Chemistry I  3
MA 1723  Calculus II  3
MA 2733  Calculus III  3
or MA 3113  Introduction to Linear Algebra  3

Electives approved by advisor that result in a double major or an additional area of licensure (29 hours)

Oral Communication Requirement
Satisfied by the successful completion of EDF 4243

Computer Literacy Requirement
Satisfied by the successful completion of EDF 4243

Writing Requirement
Satisfied by the successful completion of EDF 4243 and EDS 3653

Total Hours  124

1 Requires admission to teacher education.

Social Studies Education Concentration (SSED)

Major Advisor: Paul Binford; Office: 310 Allen Hall

The Social Studies Education curriculum is designed based on standards developed by the National Council for the Social Studies. With a minimum of 54 hours required in history and the social sciences, the program of study provides a broad-based preparation for prospective social studies teachers of grades 7-12.

General Education Requirements

English Composition
EN 1103  English Composition I  3
or EN 1163  Accelerated Composition I  3
EN 1113  English Composition II  3
or EN 1173  Accelerated Composition II  3

Mathematics
MA 1313  College Algebra  3

Science
ST 2113  Introduction to Statistics (OR MA higher than Algebra)  3

Math/Science Elective
See General Education courses  3

Humanities
See General Education courses  6

Fine Arts
See General Education courses  3

Social/Behavioral Sciences
PSY 1013  General Psychology  3

Major Core
EDF 4243  Planning for the Diversity of Learners  3
EDF 3333  Social Foundations of Education  3
EDS 3411  Practicum in Secondary Education  1
EDX 3213  Individualizing Instruction for Exceptional Children  3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPY 3143</td>
<td>Human Development and Learning Strategies in Education</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3253</td>
<td>Evaluating Learning</td>
<td>3</td>
</tr>
<tr>
<td>RDG 3513</td>
<td>Developing Reading Strategies in the Secondary School Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>EDS 3643</td>
<td>Secondary Social Studies Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4643</td>
<td>Methods of Teaching Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4873</td>
<td>Seminar in Managing the Secondary Classroom</td>
<td>3</td>
</tr>
<tr>
<td>EDS 4886</td>
<td>Teaching Internship in Secondary Education</td>
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</tr>
<tr>
<td>EDS 4896</td>
<td>Teaching Internship in Secondary Education</td>
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</table>

**Content Area**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EC 2113</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>EC 2123</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>GR 1114</td>
<td>Elements of Physical Geography (or approved GR elective)</td>
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<tr>
<td>GR 1123</td>
<td>Introduction to World Geography</td>
<td>3</td>
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<tr>
<td>HI 1063</td>
<td>Early U.S. History</td>
<td>3</td>
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<tr>
<td>HI 1073</td>
<td>Modern U.S. History</td>
<td>3</td>
</tr>
<tr>
<td>HI 1163</td>
<td>World History Before 1500</td>
<td>3</td>
</tr>
<tr>
<td>HI 1173</td>
<td>World History Since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HI 3333</td>
<td>Mississippi History</td>
<td>3</td>
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<td>HI elective (3000 level or above)</td>
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<tr>
<td>HI, PS, EC, or GR Elective (3000 level or above)</td>
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<tr>
<td>HI, PS, EC, or GR Elective (3000 level or above)</td>
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<tr>
<td>HI 4403</td>
<td>The Ancient Near East</td>
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<tr>
<td>or HI 4903</td>
<td>The Far East</td>
<td>3</td>
</tr>
<tr>
<td>PS 1113</td>
<td>American Government</td>
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</tr>
<tr>
<td>PS 1513</td>
<td>Comparative Government</td>
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**Oral Communication Requirement**

<table>
<thead>
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<tbody>
<tr>
<td>CO 1003</td>
<td>Fundamentals of Public Speaking</td>
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**Computer Literacy Requirement**

<table>
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<tr>
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<td>Computer Applications</td>
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**Writing Requirement**

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDS 4643</td>
<td>Methods of Teaching Social Studies</td>
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</tbody>
</table>

**Total Hours**

124

1 Admission to Teacher Education required

---

**Special Education Major (EXED)**

Major Advisors: Bethany McKissick, Kent Coffey, and Penny Craven

Office: 310 Allen Hall

**General Education Requirements**

**English Composition**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1103</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>or EN 1163</td>
<td>Accelerated Composition I</td>
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</tr>
<tr>
<td>EN 1113</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>or EN 1173</td>
<td>Accelerated Composition II</td>
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**Mathematics**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MA 1313</td>
<td>College Algebra</td>
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**Natural Science**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Natural Science w/lab (see General Education courses)</td>
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<td></td>
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</tbody>
</table>

**Math/Science Elective**
See General Education courses  3

**Humanities**
See General Education courses  6

**Fine Arts**
See General Education courses  3

**Social/Behavioral Sciences**
See General Education courses  6

**Professional Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 4243</td>
<td>Planning for the Diversity of Learners</td>
<td>3</td>
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<tr>
<td>EDF 3333</td>
<td>Social Foundations of Education</td>
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<tr>
<td>EPY 2513</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>EPY 3253</td>
<td>Evaluating Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDX 3203</td>
<td>Introduction to Learning Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>EDX 3213</td>
<td>Individualizing Instruction for Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EDX 3223</td>
<td>Introduction to Emotional/Behavioral Disorders</td>
<td>3</td>
</tr>
<tr>
<td>EDX 3233</td>
<td>Contingency Management</td>
<td>3</td>
</tr>
<tr>
<td>EDX 4103</td>
<td>Introduction to Teaching Students with Intellectual and Developmental Disabilities</td>
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</tr>
<tr>
<td>EDX 4113</td>
<td>Methods and Materials for Early Childhood Students with Disabilities</td>
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<tr>
<td>EDX 4123</td>
<td>Methods and Materials for Elementary Students with Disabilities</td>
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</tr>
<tr>
<td>EDX 4133</td>
<td>Methods and Materials for Secondary Students with Disabilities</td>
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</tr>
<tr>
<td>EDX 4353</td>
<td>Assistive Technology in Special Education</td>
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</tr>
<tr>
<td>EDX 4413</td>
<td>Working with Families of Students with Disabilities</td>
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<tr>
<td>EDX 4886</td>
<td>Teaching Internship in Special Education</td>
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<td>EDX 4896</td>
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<tr>
<td>EDX 4873</td>
<td>Professional Seminar in Special Education</td>
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<td><strong>Collateral Core Electives</strong></td>
<td><strong>21-24</strong></td>
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<td><strong>Literacy Electives</strong></td>
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<td></td>
<td><strong>Oral Communication Requirement</strong></td>
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<tr>
<td>EDX 4353</td>
<td>Assistive Technology in Special Education</td>
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<tr>
<td>EDX 4413</td>
<td>Working with Families of Students with Disabilities</td>
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</tr>
<tr>
<td>EDX 4133</td>
<td>Methods and Materials for Secondary Students with Disabilities</td>
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<td><strong>Computer Literacy Requirement</strong></td>
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<td>EDX 4133</td>
<td>Methods and Materials for Secondary Students with Disabilities</td>
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<tr>
<td></td>
<td><strong>Writing Requirement</strong></td>
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<td>EDX 4413</td>
<td>Working with Families of Students with Disabilities</td>
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<tr>
<td>EDX 4133</td>
<td>Methods and Materials for Secondary Students with Disabilities</td>
<td>3</td>
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</tbody>
</table>

**Total Hours**: 123

1. Requires admission to Teacher Education.
2. A math course higher than MA 1313 must be completed.