

# Department of Curriculum, Instruction, and Special Education

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**Department Head: Devon Brenner**

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 classroom 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](http://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. 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 a 7-12 licensure in English, Mathematics, Biology, Chemistry, Physics, or Social Studies, and 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 mental retardation, learning 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 and MAT-M)

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. Both 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 in grades 4-12.

## 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, Nicole Miller, Margaret Pope, and Rebecca Robichaux

Office: 310 Allen Hall

**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
MA 1413	Structure of the Real Number System	3
MA 1423	Problem Solving with Real Numbers	3
MA 1433	Informal Geometry and Measurement	3

**Science**

See General Education courses (must be lab-based courses) 6

**Humanities**

Choose one of the following: 3

HI 1063	Early U.S. History	
HI 1163	World History Before 1500	
HI 1213	Early Western World	

Choose one of the following: 3

HI 1073	Modern U.S. History	
HI 1173	World History Since 1500	
HI 1223	Modern Western World	

**Fine Arts**

See General Education courses 3

**Social/Behavioral Sciences**

GR 1123	Introduction to World Geography	3
PS 1113	American Government	3
or SO 1003	Introduction to Sociology	
or SO 1203	Marriage and Family	

**Additional Core**

Natural Science courses 6

English Literature Elective (see General Education courses)

English Grammar Elective OR English course above EN 1113

**Major Core**

RDG 3113	Early Literacy Instruction I <sup>1</sup>	3
RDG 3123	Early Literacy Instruction II	3
EDE 3123	Early Childhood Education <sup>1</sup>	3
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
RDG 3413	Middle Level Literacy I <sup>1</sup>	3
RDG 3423	Middle Level Literacy II <sup>1</sup>	3
EDE 3223	Middle Level Education <sup>1</sup>	3
EDF 3333	Social Foundations of Education	3
EDF 3423	Exploring Diversity Through Writing <sup>1</sup>	3
EDE 3443	Creative Arts for Elementary and Middle Levels <sup>1</sup>	3
EDE 3523	Foundations of Elementary & Middle Level Mathematics Education <sup>1</sup>	3
EDE 4113	Teaching Elementary and Middle Level Science <sup>1</sup>	3

EDE 4123	Teaching Elementary and Middle Level Mathematics <sup>1</sup>	3
RDG 4133	Integrating Language Arts Instruction in the Content Areas <sup>1</sup>	3
EDE 4143	Teaching Elementary and Middle Level Social Studies <sup>1</sup>	3
EDE 4883	Managing the Elementary and Middle Level Classroom <sup>1</sup>	3
EDE 4886	Elementary and Middle Level Teaching Internship <sup>1</sup>	6
EDE 4896	Elementary and Middle Level Teaching Internship <sup>1</sup>	6

**Early Childhood Concentration (ECHD)**Leads to K-3 general certification with N-1 (nursery - 1<sup>st</sup> grade) early childhood/special education certification.

HS 2813	Child Development	3
HS 2803	Pre-natal and Infant Development	3
HS 3803	Child Care Procedures	3
EDX 4113	Diagnostic-Prescriptive Methods and Materials for Elementary Age Disabled	3
EDX 4413	Working with Parents of Exceptional Children	3
or HS 4803	Parenting	

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<sup>th</sup>-8<sup>th</sup> grade subject area certification.

EDE 3223	Middle Level Education	3
Twelve hours certification endorsement area electives.		
Two 21-hour endorsement areas required. See Advisor.		
<b>Total Hours</b>		<b>123</b>

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

<sup>1</sup> 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**

EN 1103	English Composition I	3
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or EN 1163	Accelerated Composition I	
EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	
<b>Mathematics</b>		
MA 1313	College Algebra	3
	MA higher than Algebra	3
<b>Science</b>		
	BIO Science with lab (see General Education courses)	3
	Physical Science with lab (see General Education courses)	3
<b>Math/Science Elective</b>		
	See General Education courses	3
<b>Humanities</b>		
HI 1063	Early U.S. History	3
HI 1073	Modern U.S. History	3
<b>Fine Arts</b>		
CO 1503	Introduction to the Theatre	3
<b>Social/Behavioral Sciences</b>		
	See General Education courses	6
<b>Major Core</b>		
EDS 3411	Practicum in Secondary Education	1
EDF 3333	Social Foundations of Education	3
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
EDE 3343	Teaching Adolescent Literature	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3
EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
EDS 3673	Secondary Language Arts Education <sup>1</sup>	3
EDS 4673	Methods of Teaching Language Arts <sup>1</sup>	3
EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6
<b>Content Area</b>		
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	
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	
EN 4413	History of the English Language	3
or EN 4403	Introduction to Linguistics	
or EN 4633	Language and Society	

EN 4323	Literary Criticism from Plato-Present	3
or EN 4353	Critical Theory Since 1900	
EN Electives - 3000/4000 level		6
<b>Oral Communication Requirement</b>		
Satisfied by successful completion of EDS 3673		
<b>Computer Literacy Requirement</b>		
Satisfied by successful completion of EDS 4673 and EDF 4243		
<b>Writing Requirement</b>		
Satisfied by successful completion of EN 3414		
<b>Total Hours</b>		124

<sup>1</sup> 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

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
	MA higher than College Algebra (see Gen. Ed.)	3

### Science

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

### Math/Science Elective

	Consult Advisor. See General Education courses	3
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### Humanities

EN 2273	World Literature Before 1600	3
EN 2283	World Literature After 1600	3

### Fine Arts

	See General Education courses	3
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### Social/Behavioral Sciences

GR 1123	Introduction to World Geography	3
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AN 1143	Introduction to Cultural Anthropology	3
<b>Major Core</b>		
EDF 3333	Social Foundations of Education	3
EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
EDS 3411	Practicum in Secondary Education <sup>1</sup>	1
EDS 3663	Secondary Foreign Language Education	3
EDS 4683	Methods in Foreign Language Teaching	3
EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6
<b>Content Area</b>		
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 & FLS 3111	Advanced Spanish Composition and Advanced Spanish Laboratory	4
or FLF 3114	Advanced French Composition	
or FLG 3114	Advanced German Composition	
FLS 3233 & FLS 3121	Advanced Spanish Conversation and Advanced Spanish Conversation Practicum	4
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
<b>Additional Humanities</b>		
HI 1213	Early Western World	3
or HI 1223	Modern Western World	
PHI 1103	Introduction to Philosophy	3
<b>Oral Communication Requirement</b>		
Satisfied by the successful completion of EDF 4243		
<b>Computer Literacy Requirement</b>		
Satisfied by the successful completion of EDF 4243		
<b>Total Hours</b>		123

<sup>1</sup> 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
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MA 1723	Calculus II	3
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### Science

Biological Science w/lab (see General Education)		3
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Physical Science <sup>1</sup>		6
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### Humanities

HI 1063	Early U.S. History	3
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HI 1073	Modern U.S. History	3
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### Fine Arts

See General Education courses		3
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### Social/Behavioral Sciences

PSY 1013	General Psychology	3
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SO 1003	Introduction to Sociology	3
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### Additional Core

PS 1113	American Government	3
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EN Literature Electives (see General Education)		6
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### Oral Communication Requirement

CO 1003	Fundamentals of Public Speaking	3
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### Computer Literacy Requirement

Choose one of the following:		3
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CSE 1213	Computer Programming with Fortran	
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CSE 1233	Computer Programming with C	
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CSE 1273	Computer Programming with Java	
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### Writing Requirement

EDF 3413	Writing for Thinking	3
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### Major Core

EDF 4243	Planning for the Diversity of Learners <sup>2</sup>	3
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EDF 3333	Social Foundations of Education	3
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EDX 3213	Psychology and Education of Exceptional Children and Youth	3
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EPY 3143	Human Development and Learning Strategies in Education <sup>2</sup>	3
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EPY 3253	Evaluating Learning <sup>2</sup>	3
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RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>2</sup>	3
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EDS 3411	Practicum in Secondary Education <sup>2</sup>	1
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EDS 3633	Secondary Mathematics Education <sup>2</sup>	3
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EDS 4633	Methods of Teaching Mathematics <sup>2</sup>	3
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EDS 4873	Seminar in Managing the Secondary Classroom <sup>2</sup>	3
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EDS 4886	Teaching Internship in Secondary Education <sup>2</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>2</sup>	6
<b>Content Area</b>		
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
<b>Total Hours</b>		124

<sup>1</sup> Calculus-based PH 2213 or CH 1213 or higher

<sup>2</sup> Requires admission to Teacher Education.

## Biology Education Concentration (BIED)

Major Advisor: Ryan Walker; Office: 310 Allen Hall

The Biology Education Curriculum is designed based on standards developed by the National Science Teachers Association. The degree leads to licensure for 7-12 biology education. Science courses designed for non-science majors will not count toward the degree.

## 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
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### Math/Science Elective

See Sciences Content Area		3
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### Humanities

See General Education courses		6
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### Fine Arts

See General Education courses		3
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### Social/Behavioral Sciences

See General Education courses		6
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### Major Core

EDF 3333	Social Foundations of Education	3
EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EDS 3411	Practicum in Secondary Education <sup>1</sup>	1
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3

EPY 3253	Evaluating Learning <sup>1</sup>	3
EDS 3653	Secondary Science Education <sup>1</sup>	3
EDS 4653	Methods of Teaching Science <sup>1</sup>	3
EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
KI 1803	Health Trends and Topics	3

### Content Area

Choose 54 hours from the following: <sup>2</sup>

BIO 2113	Plant Biology	3
BIO 3014	Human Physiology	4
BIO 2103	Cell Biology	3
BIO 3103	Genetics I	3
BIO 4133	Human Genetics	3
BIO 3104	Ecology	4
BIO 3304	General Microbiology	4
BIO 3504	Comparative Anatomy	4
BIO 4113	Evolution	3
CH 1213	Chemistry I	3
CH 1211	Investigations in Chemistry I	1
CH 1223	Chemistry II	3
CH 1221	Investigations in Chemistry II	1
CH 2503	Elementary Organic Chemistry	3
BCH 4013	Principles of Biochemistry	3
BIO/Science Elective		6
Botany (3000-4000 level)		3

### Oral Communication Requirement

Satisfied by the successful completion of EDS 3653

### Computer Literacy Requirement

Satisfied by the successful completion of EDS 3653

### Writing Requirement

BIO 3013	Professional Writing for Biologists	3
or EDF 3413	Writing for Thinking	

<b>Total Hours</b>		124
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<sup>1</sup> Requires Admission to Teacher Education.

<sup>2</sup> 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 for prospective secondary teachers (7-12) in accordance with the recommendations of the National Science Teachers Association.

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

## General Education Requirements

### English Composition

EN 1103	English Composition I	3
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or EN 1163	Accelerated Composition I	
EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	
<b>Mathematics</b>		
MA 1313	College Algebra	3
MA 1713	Calculus I	3
<b>Science</b>		
See Content Area		9
<b>Humanities Electives</b>		
See General Education courses		6
<b>Fine Arts</b>		
See General Education courses		3
<b>Social/Behavioral Sciences</b>		
See General Education courses		6
<b>Major Core</b>		
EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EDF 3333	Social Foundations of Education	3
EDS 3411	Practicum in Secondary Education <sup>1</sup>	1
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
EDS 3653	Secondary Science Education <sup>1</sup>	3
EDS 4653	Methods of Teaching Science <sup>1</sup>	3
EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
KI 1803	Health Trends and Topics	3
<b>Content Area</b>		
Choose 54 hours from the following:		
CH 1213	Chemistry I	3
CH 1211	Investigations in Chemistry I	1
CH 1223	Chemistry II	3
CH 1221	Investigations in Chemistry II	1
CH 2313 & CH 2311	Analytical Chemistry I and Analytical Chemistry I Laboratory	4
CH 4213	Advanced Inorganic Chemistry I	3
CH 4212	Advanced Inorganic Laboratory	2
CH 4353	Analytical Chemistry II	3
CH 4413	Thermodynamics and Kinetics	3
CH 4411	Physical Chemistry Laboratory I	1
CH 4423	Quantum Mechanics and Spectroscopy	3
CH 4421	Physical Chemistry Laboratory II	1
CH 4513	Organic Chemistry I	3
CH 4511	Organic Chemistry Laboratory I	1
CH 4523	Organic Chemistry II	3
CH 4521	Organic Chemistry Laboratory II	1
PH 1063	Descriptive Astronomy	3

PH 2213	Physics I	3
PH 2223	Physics II	3
BCH 4603	General Biochemistry	3
MA 1723	Calculus II	3
MA 2733	Calculus III	3
<b>Oral Communication Requirement</b>		
EDF 4243	Planning for the Diversity of Learners	3
<b>Computer Literacy Requirement</b>		
EDF 4243	Planning for the Diversity of Learners	3
<b>Writing Requirement</b>		
EDF 4243	Planning for the Diversity of Learners	3
EDS 4653	Methods of Teaching Science	3
<b>Total Hours</b>		<b>124</b>

<sup>1</sup> Requires admission to teacher education.

## Physics Education Concentration (PHED)

Major Advisor: Ryan Walker; Office: 310 Allen Hall

The Physics Education Curriculum is designed for prospective physics teachers at the secondary level and is based on standards developed by the National Science Teachers Association. The concentration in physics is outlined to meet the requirements for 7-12 licensure. Science courses designed for non-science majors will not be accepted.

## 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

See Content Area		9
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### Humanities Electives

See General Education courses		6
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### Fine Arts

See General Education courses		3
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### Social/Behavioral Sciences

See General Education courses		6
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### Major Core

EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EDF 3333	Social Foundations of Education	3
EDS 3411	Practicum in Secondary Education <sup>1</sup>	1
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
EDS 3653	Secondary Science Education <sup>1</sup>	3
EDS 4653	Methods of Teaching Science <sup>1</sup>	3

EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
KI 1803	Health Trends and Topics	3

**Content Area**

Choose 54 hours from the following:

PH 1063	Descriptive Astronomy	3
PH 2213	Physics I	3
PH 2223	Physics II	3
PH 2233	Physics III	3
PH 3063	Astrophysics	3
PH 3613	Modern Physics	3
PH 4113	Electronic Circuits for Scientists	3
PH 4143	Intermediate Laboratory	3
PH 4213	Intermediate Mechanics I	3
PH 4323	Electromagnetic Fields I	3
PH 4413	Thermal Physics	3
PH 4513	Intermediate Optics	3
PH 4713	Introduction to Quantum Mechanics	3
CH 1213	Chemistry I	3
CH 1211	Investigations in Chemistry I	1
CH 1223	Chemistry II	3
CH 1221	Investigations in Chemistry II	1
MA 2733	Calculus III	3
MA 2743	Calculus IV	3
Math or Science Elective		3

**Oral Communication Requirement**

EDF 4243	Planning for the Diversity of Learners	3
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**Computer Literacy Requirement**

EDF 4243	Planning for the Diversity of Learners	3
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**Writing Requirement**

EDF 4243	Planning for the Diversity of Learners	3
EDS 4653	Methods of Teaching Science	3

<b>Total Hours</b>		<b>124</b>
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<sup>1</sup> Requires admission to teacher education.**Social Studies Education Concentration (SSED)**

Major Advisor: Charlotte Burroughs; 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	

EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	

**Mathematics**

MA 1313	College Algebra	3
ST 2113	Introduction to Statistics (OR MA higher than Algebra)	3

**Science**

Biological Science w/lab (see General Education courses)		3
Physical Science w/lab (see General Education courses)		3

**Math/Science Elective**

See General Education courses		3
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**Humanities**

See General Education courses		6
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**Fine Arts**

See General Education courses		3
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**Social/Behavioral Sciences**

PSY 1013	General Psychology	3
SO 1003	Introduction to Sociology	3

**Major Core**

EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EDF 3333	Social Foundations of Education	3
EDS 3411	Practicum in Secondary Education <sup>1</sup>	1
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
EPY 3143	Human Development and Learning Strategies in Education <sup>1</sup>	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
RDG 3513	Developing Reading Strategies in the Secondary School Content Areas <sup>1</sup>	3
EDS 3643	Secondary Social Studies Education <sup>1</sup>	3
EDS 4643	Methods of Teaching Social Studies <sup>1</sup>	3
EDS 4873	Seminar in Managing the Secondary Classroom <sup>1</sup>	3
EDS 4886	Teaching Internship in Secondary Education <sup>1</sup>	6
EDS 4896	Teaching Internship in Secondary Education <sup>1</sup>	6

**Content Area**

EC 2113	Principles of Macroeconomics	3
EC 2123	Principles of Microeconomics	3
GR 1114	Elements of Physical Geography (or approved GR elective)	4
GR 1123	Introduction to World Geography	3
HI 1063	Early U.S. History	3
HI 1073	Modern U.S. History	3
HI 1163	World History Before 1500	3
HI 1173	World History Since 1500	3
HI 3333	Mississippi History	3
HI elective (3000 level or above)		3
HI, PS, EC, or GR Elective (3000 level or above)		3
HI, PS, EC, or GR Elective (3000 level or above)		3
HI, PS, EC, GR, PSY or SO Elective (3000 level or above)		3
HI 4403	The Ancient Near East	3
or HI 4903	The Far East	

PS 1113	American Government	3
PS 1513	Comparative Government	3
<b>Oral Communication Requirement</b>		
CO 1003	Fundamentals of Public Speaking	3
<b>Computer Literacy Requirement</b>		
TKT 1273	Computer Applications	3
<b>Writing Requirement</b>		
EDS 4643	Methods of Teaching Social Studies	3
<b>Total Hours</b>		124

<sup>1</sup> Admission to Teacher Education required

## Special Education Major (EXED)

Major Advisors: Bethany McKissick and Penny Craven  
Office: 310 Allen Hall

### 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
MA Elective (see General Education courses) <sup>2</sup>		3

#### Natural Science

Natural Science w/lab (see General Education courses)	3
Natural Science w/lab (see General Education courses)	3

#### Math/Science Elective

See General Education courses	3
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#### Humanities

See General Education courses	6
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#### Fine Arts

See General Education courses	3
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#### Social/Behavioral Sciences

See General Education courses	6
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#### Professional Core

EDF 4243	Planning for the Diversity of Learners <sup>1</sup>	3
EDF 3333	Social Foundations of Education	3
EPY 2513	Human Growth and Development	3
EPY 3253	Evaluating Learning <sup>1</sup>	3
EPY 4053	Psychology and Education of the Mentally Retarded	3
EDX 3203	Introduction to Learning Disabilities	3
EDX 3213	Psychology and Education of Exceptional Children and Youth	3
EDX 3223	Introduction to the Emotional/Behavioral Disorders	3
EDX 3233	Contingency Management with Exceptional Children	3
EDX 4113	Diagnostic-Prescriptive Methods and Materials for Elementary Age Disabled <sup>1</sup>	3

EDX 4123	Diagnostic-Prescriptive Methods and Materials for Elementary Age Disabled <sup>1</sup>	3
EDX 4133	Diagnostic-Prescriptive Methods and Materials for Secondary Age Disabled <sup>1</sup>	3
EDX 4353	Assistive Technology in Special Education	3
EDX 4413	Working with Parents of Exceptional Children	3
EDX 4886	Teaching Internship in Special Education <sup>1</sup>	6
EDX 4896	Teaching Internship in Special Education <sup>1</sup>	6
EDX 4873	Professional Seminar in Special Education	3
Collateral Core Electives		21-24
Literacy Electives <sup>1</sup>		6

#### Oral Communication Requirement

EDX 4353	Assistive Technology in Special Education	3
EDX 4413	Working with Parents of Exceptional Children	3
EDX 4133	Diagnostic-Prescriptive Methods and Materials for Secondary Age Disabled	3

#### Computer Literacy Requirement

EDX 4353	Assistive Technology in Special Education	3
EDX 4413	Working with Parents of Exceptional Children	3
EDX 4133	Diagnostic-Prescriptive Methods and Materials for Secondary Age Disabled	3

#### Writing Requirement

EDX 4353	Assistive Technology in Special Education	3
EDX 4413	Working with Parents of Exceptional Children	3
EDX 4133	Diagnostic-Prescriptive Methods and Materials for Secondary Age Disabled	3

<b>Total Hours</b>		123
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<sup>1</sup> Requires admission to Teacher Education.

<sup>2</sup> A math course higher than MA 1313 must be completed.