

# CERTIFICATION REQUIREMENTS

## EARLY CHILDHOOD (Birth-3<sup>rd</sup> grade) EDUCATION COURSEWORK

### CORE EARLY CHILDHOOD EDUCATION COURSES

EDU 101	Introduction to Teaching	1
EDU 203	Teaching Art, Music and Language Arts	3
EDU 207	Health, Safety, and P.E.	3
EDU 210	Literature for Children	3
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of Exceptional Individuals	3
EDU 260	Emergent Literacy	3
EDU 280	Programs/Integrated Early Childhood Education	3
EDU 288	Assessment in Early Childhood Education	2
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 308	Teaching Elementary Social Studies	2
EDU 310	Teaching Elementary and Middle School Science	2
EDU 350	Teaching Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in Content Area	3
EDU 393	Education Practicum II	3
EDU 417	Advanced Practicum	1-3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 492	Student Teaching: Elementary School	12
PSY 113	Psychology as a Social Science	3
MAT 231	Mathematics for Elementary and Middle School Teachers	3
MAT 351	Methods of Teaching Elementary & Middle School Mathematics	3

EDU 490 and EDU 492 are taken concurrently the last semester of study.

Students must be admitted in Teacher Education Program to enroll in 300 level education courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA.

### **Recommended courses to take to prepare you as a future teacher:**

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)
- 3) Teaching Writing (EDU 309)

### **Suggested courses to take to prepare you for the content assessment:**

- 1) US Government
- 2) US History
- 3) Geography
- 4) Economics

# CERTIFICATION REQUIREMENTS

## Elementary Education (grades 1-6) Coursework

### CORE ELEMENTARY COURSEWORK

EDU 101	Introduction to Teaching	1
EDU 203	Teaching Art, Music and Language Arts	3
EDU 207	Health, Safety and P.E.	3
EDU 210	Literature for Children	3
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of Exceptional Individuals	3
MAT 231	Mathematics for Elementary & Middle School Teachers	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 260	Emergent Literacy	3
EDU 306	Teaching Reading	3
EDU 308	Methods of Teaching Social Studies in Elementary and Middle Schools	2
EDU 309	Teaching Writing	3
EDU 310	Methods of Teaching Science in Elementary and Middle Schools	2
EDU 350	Digital Literacy	3
MAT 351	Methods of Teaching Elementary & Middle School Mathematics	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in Content Area	3
EDU 393	Education Practicum II	2
EDU 441	Reading Assessment and Advancement	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 492	Student Teaching: Elementary School	12

EDU 490 and EDU 492 are taken concurrently the last semester of study.  
Students must be admitted in Teacher Education Program to enroll in 300 level education courses.  
Students must pass the Missouri Content Exam prior to student teaching.  
Students must maintain a 3.0 GPA.

### **Recommended courses to take to prepare you as a future teacher:**

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)
- 3) Teaching Writing (EDU 309)

### **Suggested courses to take to prepare you for the content assessment:**

- 1) US Government
- 2) US History
- 3) Geography
- 4) Economics
- 5) Social Psychology
- 6) Introduction to Physics

## K-12 SPANISH EDUCATION COURSEWORK

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of Exceptional Individual	3
EDU 290	Foundations of Education	3
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in Content Area	3
EDU 417	Advanced Practicum	1-6
EDU 437	Methods of Teaching a Foreign Language	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 417	Advanced Practicum	1-6
	OR EDU 425 Middle/Secondary School Teaching	3
EDU 492	Student Teaching 1-5	12
	OR EDU 495 Student Teaching 5-9	12
	OR EDU 497 Student Teaching 9-12	12

### CONTENT COURSES

SPA 103	Accelerated Elementary Spanish	4
	or SPA 101 and 102 Introduction to Spanish I & II	4
SPA 203	Intermediate Spanish I	3
SPA 204	Intermediate Spanish II	3
SPA 303	Advanced Spanish Conversation	3
SPA 351	Introduction to Spanish Literature I	3
SPA 353	19 <sup>th</sup> and 20 <sup>th</sup> Century Latin Am. Lit.	3
SPA 363	Spanish-American Novel	3
SPA 377	Spanish Civilization	3
SPA 378	Latin American Civilization	3
SPA 381	Advanced Grammar & Composition	3

EDU 490 and EDU 495/497 are taken concurrently the last semester of study.

Students must be admitted in Teacher Education Program to enroll in 300 level education courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

## K-12 Physical Education

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of Exceptional Individual	3
EDU 290	Foundations of Education	3
EDU 306	Teaching Reading	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in Content Area	3
EDU 437	Methods of Teaching a Foreign Language	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 492	Student Teaching 1-5	12
OR EDU 495	Student Teaching 5-9	12
OR EDU 497	Student Teaching 9-12	12

### METHODS OF TEACHING COURSES

PED 206	Elementary Methods of PE	3
EDU 434	Middle School and Secondary PE Methods Technology Integration in Methods courses	3

### CONTENT COURSES

HES/EDU/PED 207	Health, Nutrition, and Safety	3
HES 309	History and Philosophy of PE	2
BIO 107	Human Biology	4
HES 321	Kinesiology	3
HES 340	Exercise Physiology	3
HES 405	Test and measurement in PE	2
Fitness/Activity (1 Activity Course) Options: A10 Weight Training, A12 Walk/Jog, A30 Art of Strength, A87 Aquatic Fitness		1
Lifetime Activities and Dance (3 Activity Courses) Options: A23 Social Dance, A16 Aerobics, A11 Recreational Swimming, A9 Bowling, A15 Yoga,		3
Team/Individual Sport (3 Activity/Courses) Options: A44 Team Sports, A42 Fencing, A37 Tennis, A45 Individual Sports, A21 Tumbling, A19 Golf		3
HES 204	Health and Wellness	3
HES 350	Adapted Physical Education	3
HES 220	Sociology of Sport	3
HES 231	Psychology of Sport	3
HES 215	Motor Learning	3
HES 104	First Aid/ CPR	1
HES 230	Care and Prevention of Injuries	2
PED 208	Creative Movement, Games, and Rhythm	3
HES 251	Intro to Nutrition	3

## MIDDLE SCHOOL COURSEWORK ENGLISH LANGUAGE ARTS

### CORE MIDDLE SCHOOL COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 311	Middle School Philosophy and Organization	3
EDU 314	Middle School Curriculum and Instruction	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 393	Education Practicum II	2
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 495	Student Teaching: Middle School	12

### **ELA (English Language Arts) must include the following:**

ENG 103	Academic Writing	3
ENG 204	Introduction to Literature	3
EDU 210	Literature for Children and Youth	3
ENG 238	American Literature to the Civil War	3
or ENG 239	American Literature since the Civil War	3
ENG 248	World Literature to 1800	3
or ENG 249	World Literature since 1800	3
ENG 270	Expository Writing	3
ENG 275	Introduction to Creative Writing	3
ENG 250	English Grammar	3
EDU 309	Methods of Writing in Middle/Secondary Schools	3
EDU 431	Teaching English in Middle/ Secondary Schools	3

EDU 490 and EDU 495 are taken concurrently the last semester of study.  
Students must be admitted in Teacher Education Program to enroll in 300 level education courses.  
Students must pass the Missouri Content Exam prior to student teaching.  
Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

### **Recommended courses to take to prepare you as a future teacher:**

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)

# MIDDLE SCHOOL COURSEWORK MATHEMATICS

## CORE MIDDLE SCHOOL COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 311	Middle School Philosophy and Organization	2
EDU 314	Middle School Curriculum and Instruction	2
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 393	Education Practicum II	2
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 495	Student Teaching: Middle School	12
MAT 231	Math for ELE and MS Teachers	3
MAT 351	Methods of Teaching ELE an MS Mathematics	3

### **A total of 24 hrs. from the following options**

MAT 114	Statistics	3
MAT 121	Pre- Calculus	3
MAT 124	Calculus I	5
MAT 214	Calculus II	4
MAT 224	Calculus III	4
MAT 305	Heart of Mathematics	3
MAT 310	History of Mathematics	3
MAT 313	Probability and Statistics	3
MAT 314	Higher Geometry	3
MAT 215	Linear Algebra	3
CSC 104	Programing Logic and Design	3
		24 hrs

EDU 490 and EDU 495 are taken concurrently the last semester of study.  
Students must be admitted in Teacher Education Program to enroll in 300 level education courses.  
Students must pass the Missouri Content Exam prior to student teaching.  
Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

### **Recommended courses to take to prepare you as a future teacher:**

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)

# MIDDLE SCHOOL COURSEWORK SCIENCE

## CORE MIDDLE SCHOOL COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 311	Middle School Philosophy and Organization	2
EDU 314	Middle School Curriculum and Instruction	2
EDU 350	Teaching Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 393	Education Practicum II	2
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 495	Student Teaching: Middle School	12

### Science must include the following:

EDU 436	Teaching Science in Middle /Secondary	3
ENV 105	Introduction to Env Sci	3
CHEM 114/115	Gen Chem 1 w/ Lab	4
NSC 305	History of Science	3
PHY 105	Intro to Physics	3
BIO 124/125	Bio Diversity w/lab	4
BIO 107	Human Biology	4
GEO 108	Introduction to Physical Geology	4
or GEO 110	Earth Systems	4

EDU 490 and EDU 495 are taken concurrently the last semester of study.

Students must be admitted in Teacher Education Program to enroll in 300 level education courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

### **Recommended courses to take to prepare you as a future teacher:**

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)

## MIDDLE SCHOOL COURSEWORK SOCIAL STUDIES

### CORE MIDDLE SCHOOL COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 311	Middle School Philosophy and Organization	2
EDU 314	Middle School Curriculum and Instruction	2
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 393	Education Practicum II	2
EDU 425	Middle/Secondary School Teaching	3
EDU 435	Methods of Teaching SS in Middle/Secondary	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3
EDU 495	Student Teaching: Middle School	12

### Required Courses

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HIS 103	History of the United States to 1877	3
HIS 104	History of the United States since 1877	3
HIS 109	World History I	3
HIS 110	World History II	3

### Combination of Courses to equal at least 12 hours

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ECN 110	Introduction to Economics	3
POL 112	Introduction to Pol Sci	3
POL 205	Introduction to Political Theory	3
POL 211	American Govt	3
POL 212	International Politics	3
PSY 112	Psychology as a Natural Science	3
PSY 113	Psychology as a Social Science	3
SOC 111 or 115	Introduction to Sociology	3
HIS 390	Historiography	3

EDU 490 and EDU 495 are taken concurrently the last semester of study.  
 Students must be admitted in Teacher Education Program to enroll in 300 level education courses.  
 Students must pass the Missouri Content Exam prior to student teaching.  
 Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

### Recommended courses to take to prepare you as a future teacher:

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)

## SECONDARY BIOLOGY

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 497	Student Teaching: Secondary School	12

### Secondary Biology

BIO 325	Molecular Cell Biology	4
BIO 114/115	Biological Processes w/Lab	3
BIO 124/125	Biodiversity w/Lab	3
BIO 201	Introduction to Evolution	3
or Bio 450	Evolution	3
BIO 203	Human Anatomy	4
or BIO 204	Animal Behavior	4
or BIO 205	Ecology and Field Biology	4
or BIO 208	Functional Plant Morphology	4
or BIO 300	Cell Structures	3
or BIO 315	Entomology	4
or BIO 318	Ornithology	4
or BIO 322	Vertebrate Biology	4
or BIO 305	Medical Terminology	1
or BIO 345	Forest Resources and Management	4
or BIO 370	Physiology	4
BIO 301	Genetics	4
CHM 114/115	General Chemistry 1 w/Lab	3
PHY 105	Introduction to Physics	3
GEO 108	Physical Geology	4
or GEO 110	Earth Systems	4
or GEO 116	Environmental Geology	4
or ENV 105	Intro to Environmental Science	4

EDU 490 and EDU 497 are taken concurrently the last semester of study.

Students must be admitted in Teacher Education Program to enroll in 300 level education courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

### Recommended courses to take to prepare you as a future teacher:

- 1) Intro to Speech (SPE 101)
- 2) Psychology as a Social Science (PSY 113)

## SECONDARY BUSINESS

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 398	Methods of Teaching Business	3
EDU 399	Internship	3
EDU 497	Student Teaching: Secondary School	12

### Content Courses Secondary Business

ACC 215	Financial Accounting	3
ACC 216	Managerial Accounting	3
ECN 211	Macroeconomics	3
ECN 212	Microeconomics	3
BUS 223	Business Law	3
SPE 310	Business and Professional Communications	3
BUS 220	Fundamentals Management	3
BUS 250	Principles of Marketing	3
CSC 104	Programming Logic and Design	3
CSC 250	Webpage Design	3
EDU 370	Business Educational Implementation Programs	3
BUS 221	Mgmt & Orgs	3
or BUS 322	Cross Cultural Mgmt	3
or BUS 326	Human Resource Mgmt	3
or ACC 399	Tax Season/Data Mgmt	3

We highly recommend future teachers to take: SPE 101 Intro to Speech  
EDU 490 and EDU 497 are taken concurrently the last semester of study.  
Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.  
Students must pass the Missouri Content Exam prior to student teaching.  
Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.

## SECONDARY CHEMISTRY

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 436	Methods of Teaching Science	3
EDU 497	Student Teaching: Secondary School	12

### Secondary Chemistry

CHM 114/115	General Chemistry 1 w/Lab	4
CHM 124/125	General Chemistry 2 w/Lab	4
CHM 334/335	Analytical Chemistry I w/Lab	4
CHM 314/315	Organic Chemistry I w/Lab	4
CHM 424/425	Physical Chemistry 1 w/Lab	4
BIO 404	Biochemistry	4
CHM 324/325	Organic Chemistry II w/lab	4
BIO 114/115	Biological Processes w/Lab	4
BIO 124/125	Biodiversity w/Lab	4
PHY 105	Introduction to Physics	3
or PHY 201	Physics 1	4
GEO 108	Physical Geology	4
or GEO 110	Earth Systems	4
or ENV 105	Intro to Environmental Science	4

We highly recommend future teachers to take: SPE 101 Intro to Speech

EDU 490 and EDU 497 are taken concurrently the last semester of study.

Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.

## SECONDARY ENGLISH LANGUAGE ARTS

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 291	Education Practicum I	2
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum I	2
EDU 393	Education Practicum II	2
EDU 497	Student Teaching: Secondary School	12

### English Language Arts

EDU 210	Literature for Children and Youth	3
EDU 309	Teaching of Writing in Middle and Secondary Schools	3
EDU 431	Teaching English in Middle and Secondary Schools	3
ENG 103	Academic Writing	3
ENG 270	Expository Writing	3
ENG 275	Introduction to Creative Writing	3
ENG 345	Ethnic Literature	3

### One of the following:

ENG 238	American Literature to Civil War	3
Or ENG 239	American Literature since Civil War	3

### Two of the following courses:

ENG 248	World Literature to 1600	3
ENG 249	World Literature since 1600	3
ENG 205	British Literature to 1800	3
ENG 206	British Literature since 1800	3
ENG ____	Various rotating or new Literature courses	3

### One of the following:

ENG 315	Literary Modes and Genres	3
or ENG 325	Literary Movements	3
or ENG 330	Visions and Revisions	3
or ENG 335	A Sense of Place	3
or ENG 340	Gender and Literary Expression (changes by semester)	3
or ENG 350	Studies in the Author (changes by semester)	3

We highly recommend future teachers to take: SPE 101 Intro to Speech

EDU 490 and EDU 497 are taken concurrently the last semester of study.

Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.

## SECONDARY MATHEMATICS

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 433	Teaching Math in MS and Secondary	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum 1	2
EDU 393	Education Practicum 2	2
EDU 497	Student Teaching: Secondary School	12

### Secondary Mathematics

MAT 124	Calculus I	5
MAT 214	Calculus II	4
MAT 422	Modern Algebra	3
MAT 314	Higher Geometry	3
CSC 104	Programming Logic and Design	3
MAT 224	Calculus III	4
MAT 215	Linear Algebra	3

Additional Mathematics coursework – minimum of 12 semester hours of the following courses:

MAT 310	History of Mathematics	3
MAT 424	Advanced Calculus	3
MAT 313	Mathematical Probability and Statistics	3
MAT 305	Heart of Mathematics	3
MAT 331	Mathematics Seminar	3
CSC 111	Fundamentals of Computer Science	3
	or CSC 104 Programming Logic and Design	3

To double major in Mathematics and Secondary Mathematics Education, all “Additional Mathematics coursework” must be taken, as well as MAT 422; CSC 111 would be required with CSC 104 an option for electives

We highly recommend future teachers to take: SPE 101 Intro to Speech

EDU 490 and EDU 497 are taken concurrently the last semester of study.

Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.

## SECONDARY SOCIAL SCIENCE (SOCIAL STUDIES)

### CORE COURSES

EDU 101	Introduction to Teaching	1
EDU 221	Education Psychology	3
EDU 230	Child and Adolescent Growth and Development	3
EDU 231	Education of the Exceptional Individuals	3
EDU 290	Foundations of Education	3
EDU 306	Teaching Reading	3
EDU 350	Digital Literacy	3
EDU 385	Diversity in Education	3
EDU 392	Reading and Writing in the Content Area	3
EDU 425	Middle/Secondary School Teaching	3
EDU 435	Teaching Social Studies	3
EDU 453	Classroom Organization and Management	3
EDU 490	Education Seminar	3

### FIELD AND CLINICAL EXPERIENCES COURSES

EDU 291	Education Practicum 1	2
EDU 393	Education Practicum 2	2
EDU 497	Student Teaching: High School	12

### Secondary Social Science (Social Studies)

HIS 103	History of the US to 1877	3
HIS 104	History of the US since 1877	3
HIS 109	World History I	3
HIS 110	World History II	3
HIS 300	American Presidency	3
	Or World War II	3
	Or Cold War	3
	Or Fascism	3
	Or Other Topic-Specific History courses	3
HIS 323	Europe since 1945	3
or HIS 279	African Civilization	3
or HIS 101	British History to 1800	3
or HIS 102	British History Since 1800	3
POL 112	Introduction to Political Science	3
POL 211	American Government and Politics	3
ECN 110	Introduction to Economics	3
GOG 101	Introduction to Geography	3
PSY 112	Psychology as a Natural Science	3
or PSY 113	Psychology as a Social Science	3
SOC 111	Introduction to Sociology	3
or ANT 115	Introduction to Cultural Anthropology	3

### 6 Hours from the Following Courses

HIS 331	American Slavery	3
HIS 348	History of American Foreign Relations	3
HIS 354	Scandalous Women	3
HIS 390	Historiography	3
HIS 398	FDR & Reagan or topic specific courses	3
HIS 399	Global Engagement	3

We highly recommend future teachers to take: SPE 101 Intro to Speech

EDU 490 and EDU 497 are taken concurrently the last semester of study.

Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.

Students must pass the Missouri Content Exam prior to student teaching.

Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.