



MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION  
OFFICE OF EDUCATOR QUALITY – EDUCATOR PREPARATION

**MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9**

EDUCATOR PREPARATION PROGRAM NAME <b>College of the Ozarks</b>	EDUCATOR PREPARATION PROGRAM CODE <b>004235</b>
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**INSTRUCTIONS**

Please complete Educator Preparation Program (EPP) Name & EPP Code above.

**Certification Requirements**

- Course Number – List the course number(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or grouplisted.
- Course Title – List the course title(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or grouplisted.
- Semester Hours – List the number of semester hours for each specific section. It is possible to use decimals (to the nearest tenth) to indicate partial use of a course to meet a requirement. The total number of semester hours must meet or exceed the minimum required number of semester hours.

Email the completed cover sheet, curriculum matrix, and advising/program information to [DESE.MoSPETransition@dese.mo.gov](mailto:DESE.MoSPETransition@dese.mo.gov) on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or [DESE.MoSPETransition@dese.mo.gov](mailto:DESE.MoSPETransition@dese.mo.gov)

**A. Professional Requirements (Minimum of 45 semester hours)**

**1. Content Planning and Delivery**

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDU 213	The Call to Teach, An Introduction to Teaching	3
	EDU 333	Analysis of Curriculum and Methods of Teaching	3
	EDU 353	Instructional Interventions	3
	EDU 443	Methods of Teaching Middle School	HLE
b. Instructional Strategies and Techniques in Content Area Specialty	EDU 373	Methods of Teaching Science	3
	EDU 443	Methods of Teaching Middle School	HLE
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 423	Educational Assessment and Data-Based Decision Making	3
d. Strategies for Content Literacy	EDU 363	Methods of Teaching Literacy in the Content Fields	HLE
	OR EDU 393	Methods of Teaching Literacy in the Secondary School	
e. Critical Thinking and Problem Solving	EDU 213	The Call to Teach, An Introduction to Teaching	HLE
	EDU 333	Analysis of Curriculum and Methods of Teaching	HLE
	EDU 353	Instructional Interventions	HLE
f. English Language Learning	EDU 303	Education of the Exceptional Learner	3

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDU 203	Psychological Development of the Child and Adolescent	3
b. Psychology/Education of the Exceptional Child	EDU 303	Education of the Exceptional Learner	HLE
c. Differentiated Learning	EDU 303	Education of the Exceptional Learner	HLE
	EDU 333	Analysis of Curriculum and Methods of Teaching	HLE
	EDU 353	Instructional Interventions	HLE
	EDU 443	Methods of Teaching Middle School	HLE

d. Classroom Management	EDU 213	The Call to Teach, An Introduction to Teaching	HLE
	EDU 303	Education of the Exceptional Learner	HLE
	EDU 443	Methods of Teaching Middle School	HLE
e. Cultural Diversity	EDU 303	Education of the Exceptional Learner	HLE
	EDU 333	Analysis of Curriculum and Methods of Teaching	HLE
f. Educational Psychology	PSY 273	Educational Psychology	3
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	EDU 273	Engaging Families as Educational Partners	3
	EDU 283	Linking Families with Community Resources	3
	EDU 303	Education of the Exceptional Learner	HLE
b. Legal/Ethical Aspects of Teaching	EDU 213	The Call to Teach, An Introduction to Teaching	HLE
	EDU 303	Education of the Exceptional Learner	HLE
	EDU 333	Analysis of Curriculum and Methods of Teaching	HLE
c. Middle School Philosophy and Organization	EDU 443	Methods of Teaching Middle School	3
<b>4. Middle School Literacy (Minimum of 6 semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Reading and Writing in the Content Area	EDU 363	Methods of Teaching Literacy in the Content Fields	3
	OR	OR	
	EDU 393	Methods of Teaching Literacy in the Secondary School	
b. Instructional Interventions for Students with Reading Deficits	EDU 353	Instructional Interventions	3
<b>5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science	SCE 333	History and Philosophy of Sci. and Tech.	3
	CHE 114	General Chemistry I	4
	CHE 124	General Chemistry II	4
	BIO 114	General Zoology	4
	BIO 124	General Botany	4
	PHY 114	Astronomy	4
	OR	OR	
	PHY 1014	Introduction to Astronomy	
	PHY 124	Introduction to Geology	4
	OR	OR	
	PHY 1024	Introduction to Geology	
g. Social Science			
h. Speech/Theatre			
<b>Professional Requirements - Total Semester Hours</b>			<b>66</b>

<b>B. Field and Clinical Experiences (Minimum of 10 semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Early Field Experiences (Minimum of 1 semester hour with a minimum of 30 clock hours)	EDU 201 EDU 211 EDU 213	Classroom Observation Classroom Participation The Call to Teach, An Introduction to Teaching	HLE (20 clk hrs) HLE (20 clk hrs) HLE (2 clk hrs)
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDU 303 EDU 333  EDU 353	Education of the Exceptional Learner Analysis of Curriculum and Methods of Teaching Instructional Interventions and Differentiated Learning	HLE (5 clk hrs) HLE (10 clk hrs)  HLE (8 clk hrs)
	----- EDU 363 OR	Methods of Teaching Literacy in the Content Fields OR	HLE (8 clk hrs)
	EDU 393	Methods of Teaching Literacy in the Secondary School	
	----- EDU 4002 OR EDU 4202	Implementation of Elementary Best Practices OR Implementation of Secondary Best Practices	3 (32 clk hrs)
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	EDU 441 EDU 45V	Classroom Leadership Student Teaching	1 (1 week) 11 (13 weeks)
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>18.5+</b>

The Department of Elementary and Secondary Education does not discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs and activities. Inquiries related to Department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Office of the General Counsel, Coordinator – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6<sup>th</sup> Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number 573-526-4757 or TTY 800-735-2966 email [civilrights@dese.mo.gov](mailto:civilrights@dese.mo.gov).