



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

**MATHEMATICS, GRADES 9-12**

EDUCATOR PREPARATION PROGRAM NAME <b>Culver-Stockton College</b>	EDUCATOR PREPARATION PROGRAM CODE <b>018750</b>
---	--

**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 group listed.
- 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 group listed.
- 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 26 semester hours)**

**1. Content Planning and Delivery**

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDU 402 EDU 360	Methods in Secondary Math Middle School Curriculum	* 3
b. Instructional Strategies and Techniques in Content Area Specialty	EDU 402	Methods in Secondary Math	2
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 404	Tests and Measurements	2
d. Strategies for Content Literacy	EDU 335	Content Literacy	*
e. Critical Thinking and Problem Solving	EDU 335	Content Literacy	*
f. English Language Learning	EDU 319/419 EDU 325	Secondary Literacy Diagnosis and Remediation Psych and Edu of Exceptional Children	* *

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDU 201 or PSY 301	Edu Needs for Child and Adolescent Dev Child and Adolescent Psychology	3 *
b. Psychology/Education of the Exceptional Child	EDU 325	Psych and Edu of Exceptional Children	3
c. Differentiated Learning	EDU 335 EDU 325	Content Literacy Psych and Edu of Exceptional Children	* *
d. Classroom Management	EDU 420	Classroom Organization and Management	3

e. Cultural Diversity	EDU 149 AND EDU 150  OR EDU 101  EDU 325  Choose one from  COM 204 COM214 COM 311 GEO 201 HIS 220 HIS 225 HIS 240 HIS 280 HIS 308 HIS 320 HIS 324 HSC 460 MUS 160 POS 210 POS 304 POS 489 PSY 326 REL 120 REL 320 PHI/REL 340 SOC 311 SPN 105 OR EXP 301/ (EDU/PSY/EDNG/ BIO/HIS/BUS/ART/ PED/MUS/CHE/LAW /REL/POS/CJ/THE/ SPM/ACT/FIN/HSC/C OM/ATR/SPN) 499	Explorations in Education AND Foundations of Education  OR Foundations and Philosophy of Education  Psych and Edu of Exceptional Children   Interpersonal Communications Mass Media in Society Gender and Intercultural Communication Human Geography Latin America Modern China African American History Atlantic Revolutions War in Modern World History Modern Middle East Environmental History Health Promotion for Diverse and Special Pops Non-Western Music Politics of the Developing World Compar Politics and International Relations European Politics Social Psychology World Religions Peace and Violence in World Regions Philosophy of Religion Race and Ethnicity in the Region Beginning Spanish OR Travel Study	3  *  *  *  3
f. Educational Psychology	EDU 201 or PSY 301	Edu Needs for Child and Adolescent Dev  Child and Adolescent Psychology	*  *
<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 249 EDU 349	Sophomore Field Experience Junior Field Experience	* *
b. Legal/Ethical Aspects of Teaching	EDU 150 OR EDU 101	Foundations of Education OR Foundations and Philosophy of Education	*
<b>4. Secondary 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 335	Content Literacy	3
b. Instructional Interventions for Students with Reading Deficits	EDU 319/419	Secondary Literacy Diagnosis and Remediation	3
<b>Professional Requirements - Total Semester Hours</b>			<b>26</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 249	Sophomore Early Field Experience	1
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDU 349	Junior Early Field Experience	1
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	EDU 401	Student Teaching	12
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>14</b>

<b>C. Mathematics Content Knowledge Area (Minimum of 36 semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Calculus and Analytical Geometry (9 semester hours)	MAT 120 MAT 210 MAT 220	Applied Calculus Calculus II Calculus III	1 4 4
2. Algebraic Structures (3 semester hours)	MAT 425	Introduction to Algebraic Structures	3
3. Geometry (3 semester hours)	MAT 310	Introduction to Modern Geometry	3
4. Computer Science (3 semester hours)	MAT 226	Computer Programming	3
5. Electives from the above coursework (6 semester hours)	MAT 120  Chose one from: MAT 115 MAT 320 MAT 426	Applied Calculus  Precalculus Differential Equations Introduction to Analysis	3  3
6. Additional Mathematics coursework – Minimum of 12 semester hours to include at least 3 of the following areas of Mathematics			
a. History of Mathematics (3 semester hours)			
b. Structure of the Real Number System (3 semester hours)			
c. Number Theory (3 semester hours)	MAT 225	Number Theory	3
d. Completion of Calculus Sequence (3 semester hours)			
e. Probability and Statistics (3 semester hours)	MAT 221 MAT 205	Introduction to Probability Elementary Statistics	3 3
f. Computer Science (3 semester hours)			
g. Linear Algebra (3 semester hours)	MAT 326 OR MAT 325	Linear Algebra and Differential Equations OR Linear Algebra	4 OR 3
<b>Content Knowledge Area - Total Semester Hours</b>			<b>36-37</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).