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

CHEMISTRY, GRADES 9-12 - ALTERNATIVE

EDUCATOR PREPARATION PROGRAM NAME	EDUCATOR PREPARATION PROGRAM CODE
Culver-Stockton College	018750

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 on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or 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 515	Advanced Curriculum and Instruction	2.5
b. Instructional Strategies and Techniques in Content Area Specialty	EDU 402 with EDU 349 OR EDU 502	Methods in Secondary Subject Area With Junior Early Field Experience OR Methods of Teaching	2
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 512	Advanced Assessment in Education	3
d. Strategies for Content Literacy	EDU 516	Literacy Instruction in Content Areas	*
e. Critical Thinking and Problem Solving	EDU 515	Advanced Curriculum and Instruction	*
f. English Language Learning	EDU 513	Differentiated Instruction	2.5

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDU 525 OR EDU 201 OR PSY 301	Education Psychology OR Edu Needs for Child and Adolescent Dev OR Child and Adolescent Development	3
b. Psychology/Education of the Exceptional Child	EDU 325/526	Education of the Exceptional Child	3
c. Differentiated Learning	EDU 513	Differentiated Instruction	*
d. Classroom Management	EDU 420/520	Classroom Management	3
e. Cultural Diversity	EDU 513	Differentiated Instruction	*
f. Educational Psychology	EDU 525 OR EDU 201 OR PSY 301	Education Psychology OR Edu Needs for Child and Adolescent Dev OR Child and Adolescent Development	*

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDU 325/526 EDU 513 EDU 515	Education of the Exceptional Child Differentiated Instruction Advanced Curriculum and Instruction	* * *

	EDU 516 EDU 402 with EDU 349 OR EDU 502 EDU 550 OR Provisional Certificate	Literacy Instruction in Content Areas Methods in Secondary Subject Area With Junior Early Field Experience OR Methods of Teaching Student Teaching OR Working under Provisional Certificate	* * * *
b. Legal/Ethical Aspects of Teaching	EDU 521	Legal and Ethical Issues in Education	3
4. Secondary Literacy (Minimum of 6 semester hours)			
	Course Number	**Course Title**	**Semester Hours**
a. Reading and Writing in the Content Area	EDU 516	Literacy Instruction in Content Areas	3
b. Instructional Interventions for Students with Reading Deficits	EDU 532	Literacy Assessment	3
		Professional Requirements - Total Semester Hours	**28**
B. Field and Clinical Experiences (Minimum of 10 semester hours)			
	Course Number	**Course Title**	**Semester Hours**
1. Early Field Experiences (Minimum of 1 semester hour with a minimum of 30 clock hours)	EDU 513 EDU 515	Differentiated Instruction Advanced Curriculum and Instruction	.5 .5
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDU 516 EDU 402 with EDU 349 OR EDU 502	Literacy Instruction in Content Areas Methods in Secondary Subject Area With Junior Early Field Experience OR Methods of Teaching	* 1
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	EDU 550 OR Provisional Certificate	Student Teaching OR Working under Provisional Certificate	8 OR 0
		Field and Clinical Experiences - Total Semester Hours	**10/2**
C. Chemistry Content Knowledge Area (Minimum of 35 semester hours)			
	Course Number	**Course Title**	**Semester Hours**
1. History/Philosophy of Science and Technology (Minimum of 3 semester hours)		PASSING SCORE ON THE MOCA	
2. Chemistry Coursework – Minimum of 20 semester hours which must include		PASSING SCORE ON THE MOCA	
a. Inorganic Chemistry		PASSING SCORE ON THE MOCA	
b. Analytical Chemistry		PASSING SCORE ON THE MOCA	
c. Organic Chemistry		PASSING SCORE ON THE MOCA	
d. Physical Chemistry		PASSING SCORE ON THE MOCA	
e. Biochemistry		PASSING SCORE ON THE MOCA	
f. Chemistry Electives		PASSING SCORE ON THE MOCA	
3. Additional Science Coursework – Minimum of 12 semester hours which must include		PASSING SCORE ON THE MOCA	
a. Biology		PASSING SCORE ON THE MOCA	
b. Physics		PASSING SCORE ON THE MOCA	
c. Earth Science		PASSING SCORE ON THE MOCA	
d. Environmental Science		PASSING SCORE ON THE MOCA	
		Content Knowledge Area - Total Semester Hours	**0**

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), 6th 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.