



**CHEMISTRY, GRADES 9-12 – ALTERNATIVE**

EDUCATOR PREPARATION PROGRAM NAME <b>SAINT LOUIS UNIVERSITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>300310</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 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	EDI-6230 EDI-6550 EDI-6250 EDI-5960	Instructional Design Principles of Assessment Supervised Practicum MAT Capstone	1.00 .50 .50 .75
b. Instructional Strategies and Techniques in Content Area Specialty	EDI-6230 EDSP-5310 EDI-6250 EDI-5960	Instructional Design Adv Psych & Ed of Exceptional Supervised Practicum MAT Capstone Content Area Methods Workshops	1.00 .50 1.00 .50 NC
c. Assessment, Student Data, and Data-Based Decision-Making	EDI-6550 EDI-6250 EDI-5960	Principles of Assessment Supervised Practicum MAT Capstone	1.50 .50 .50
d. Strategies for Content Literacy	EDI-5390	Teaching Reading	--
e. Critical Thinking and Problem Solving	EDI-6230 EDI-6550 EDSP-4250 EDI-6250 EDI-5960	Instructional Design Principles of Assessment Classroom Org and Mgmt Supervised Practicum MAT Capstone	.50 .50 .25 .50 .50
f. English Language Learning	EDI-5600	Principles of Urban & Multi-Cultural Education	1.50

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDF-5700	Adv Growth & Development	2.00
b. Psychology/Education of the Exceptional Child	EDSP-5310	Adv Psych & Ed of Exceptional	1.00
c. Differentiated Learning	EDI-6230 EDSP-5310 EDI-6250 EDI-5960	Instructional Design Adv Psych & Ed of Exceptional Supervised Practicum MAT Capstone	.50 .50 .50 .25
d. Classroom Management	EDSP-4250 EDF-5700 EDI-6250	Classroom Org & Mgmt Adv Growth & Development Supervised Practicum	2.25 .50 .50
e. Cultural Diversity	EDI-5600	Principles of Urban & Multi-Cultural Education	1.50
f. Educational Psychology	EDF-5700 EDSP-5310	Adv Growth & Development Adv Psych & Ed of Exceptional	.50 .50

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDF-6550	Principles of Assessment	.25
	EDSP-5310	Adv Psych and Educ of Exceptional	.25
	EDSP-4250	Classroom Org & Mgmt	.25
	EDI-6250	Supervised Practicum	.50
	EDI-5960	MAT Capstone	.25
b. Legal/Ethical Aspects of Teaching	EDI-6550	Principles of Assessment	.25
	EDSP-5310	Adv Psych and Educ of Exceptional	.25
	EDSP-4250	Classroom Org & Mgmt	.25
4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDI-5390	Teaching Reading	3.0
b. Instructional Interventions for Students with Reading Deficits	EDI-5100	Disciplinary Literacy Assessment & Interventions	3.0
<b>Professional Requirements - Total Semester Hours</b>			<b>30.75</b>
B. Field and Clinical Experiences (Minimum of ten semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)		Two years of full-time teaching on a provisional certificate	
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)		Two years of full-time teaching on a provisional certificate	
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)		Two years of full-time teaching on a provisional certificate	
<b>Field and Clinical Experiences - Total Semester Hours</b>			
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 three semester hours)		Bachelor's Degree with Major in a Related Content Area MoCA MoPTA Content Area Workshops School Mentor and University Supervisor School/District Professional Development	
2. Chemistry Coursework – Minimum of 20 semester hours which must include:			
a. Inorganic Chemistry			
b. Analytical Chemistry			
c. Organic Chemistry			
d. Physical Chemistry			
e. Biochemistry			
f. Chemistry Electives			
3. Additional Science Coursework – Minimum of 12 semester hours which must include:			
a. Biology			
b. Physics			
c. Earth Science			
d. Environmental Science			
<b>Content Knowledge Area - Total Semester Hours</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).