



MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME SAINT LOUIS UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 300310
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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 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 45 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDI 3510	Curriculum & Methods in Teaching Middle School Science	3
	EDI 4210	Methods of Technology Integration	3
b. Instructional Strategies and Techniques in Content Area Specialty	EDI 3510	Curriculum & Methods in Teaching Middle School Science	-
c. Assessment, Student Data, and Data-Based Decision-Making	EDI 4420	Assess Classroom Performance	3
	EDR 3891	Qualitative & Quantitative Methods	3
d. Strategies for Content Literacy	EDI 3200	Reading/Writing Content Fld	-
e. Critical Thinking and Problem Solving	EDI 4210	Methods of Technology Integration	-
f. English Language Learning	EDI 3001	English Language Learners	3

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDF 2240	Growth, Dev & Learning	3
b. Psychology/Education of the Exceptional Child	EDSP 4310	Ed & Psych of the Exp Ind	3
c. Differentiated Learning	EDSP 4480	Teaching Methods for Inclusive Class	3
	EDSP 4310	Ed & Psych of the Exp Ind	-
d. Classroom Management	EDSP 4250	Classroom Org & Mgmt Mid/Sec	3
e. Cultural Diversity	EDF 3620	Multicultural Issues in the Classroom	3
f. Educational Psychology	EDF 2240	Growth, Dev & Learning	-

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDSP 4480	Teaching Methods Inclusive Class Mid/Sec	-
	EDF 3890	School and Community	3
b. Legal/Ethical Aspects of Teaching	EDF 2030	Foundations of Middle School Educ	3
	EDF 3840	Prof. Ethics	3
	EDI 4870	Prof. Development Seminar	3
c. Middle School Philosophy and Organization	EDF 2030	Foundations of Middle School Education	-
	EDSP 4250	Classroom Organization & Management (Mid, Sec)	-
	EDI 3515	Practicum in Teaching Middle School Science	-

4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDI 3200	Reading/Writing in the Content Fields	3
b. Instructional Interventions for Students with Reading Deficits	EDI 4200	Disc Lit Assess & Int for M/S	3
Professional Requirements—Total Semester Hours			48
5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)			
	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science	BIOL 2800 or 1040 or 1060	Biology for Education Majors OR Principles of Biology1 OR Principles of Biology 11	4
	CHEM 1083	Principles of Chemistry 1	4
	CHEM 1483	Principles of Chemistry II	4
	EAS 1010	Earth Systems I	3
	EAS 1040	Earth Systems I Lab	1
	EAS 1030	Earth's Dynamic Environment II	3
	EAS 1040	Earth's Dynamic Environment II Lab	1
	PHYS 1130	Introduction to Astronomy	3
	PHYS 1015	Physics in the World Around Us	3
g. Social Science			
h. Speech/Theatre			
Content Knowledge Requirements - Total Semester Hours			26
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)	EDF 2030 EDF 3890 EDSP 4310 EDL 3892	Foundations of Middle School Education School and Community Ed. & Psych of the Individual Leadership and Service Seminar	1 (35 hrs**) .29 (10 hrs.**) .14 (5 hrs.**) .43 (15 hrs.**)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDI 3515 EDI 3200 EDI 4200 EDI 4420	Practicum: Middle School Science Reading and Writing in the Content Fields Disciplinary Literacy Assessment-Middle Assess Classroom Performance	3 (105 hrs**) .43 (15 hrs.**) .29 (10 hrs.**) .17 (6 hrs.**)
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDI 4830	Observation and Student Teaching: Middle School	10 (15 weeks)
Field and Clinical Experiences - Total Semester Hours			16

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**1 credit hour is equivalent to 35 contact hours