



**MIDDLE SCHOOL EDUCATION MATHEMATICS, 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](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	EDI 3520	Curriculum & Methods in Teaching Middle School Mathematics	3
	EDI 4210	Methods of Technology Integration	3
b. Instructional Strategies and Techniques in Content Area Specialty	EDI 3520	Curriculum & Methods in Teaching Middle School Mathematics	-
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 Learning	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 Inclusive Class	3
	EDSP 4310	Ed & Psych of the Exp Ind	-
d. Classroom Management	EDSP 4250	Classroom Organization and Management (Mid, Sec, SpEd)	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	-
	EDF 3890	School and Community.	3
b. Legal/Ethical Aspects of Teaching	EDF 2030	Foundations of Middle School Education	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 3505	Practicum in Teaching Middle School Math	-

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 Content Fld	3
b. Instructional Interventions for Students with Reading Deficits	EDI 4200	Disc Lit Assess & Int for M/S	3
<b>Professional Requirements – Total Semester Hours</b>			<b>48</b>
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	MATH 1200	College Algebra	3
	MATH 1240	Mathematics and the Art of Escher	3
	MATH 1400 or 1510 or 1320	Precalculus or Calculus I or Survey of Calculus	3 - 4
	MATH 1200 or 1660 or 2660	Finite Math or Discrete Math or Principles of Math	3
	MATH 1300 or 1260 or 1100	Elementary Statistics or Statistics including Sports and Politics or Introduction to Statistics	3
	MATH 1250	Math Thinking in the Real World	3
	EDI 4290	Math for Diverse Learners	3
	CSCI 1010 or CSCI 1020 or	Introduction to Computer Science, Principles of Introduction to Computer Science, Bioinformatics	3
	CSCI 1030 or	Introduction to Computer Science, Game Design	
	CSCI 1040 or	Intro to Computer Science, Mobile Computing	
	CSCI 1050 or CSCI 1060 or	Intro to Computer Science, Multimedia	
	CSCI 1070 or	Intro to Computer Science, Scientific Program	
	CSCI 1070 or	Intro to Computer Science, Taming the Big Data	
CSCI 1080 or CSCI 1300	Intro to Computer Science, Web Development Intro to Object Oriented Programming		
f. Science			
g. Social Science			
h. Speech/Theatre			
<b>Content Knowledge Requirements - Total Semester Hours</b>			<b>24 - 25</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)	EDF 2030	Foundations of Middle School Education	1 (35 hrs**)
	EDF 3890	School and Community	.29 (10 hrs.**)
	EDSP 4310	Ed. & Psych of the Individual	.14 (5 hrs.**)
	EDL 3892	Leadership and Service Seminar	.43 (15 hrs.**)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDI 3525	Practicum in Teaching Middle School Math	3 (105 hrs**)
	EDI 3200	Reading and Writing in the Content Fields	.43 (15 hrs.**)
	EDI 4200	Disciplinary Literacy Assessment-Middle	.29 (10 hrs.**)
	EDI 4420	Assess Classroom Performance	.17 (6 hrs.**)
	EDI 4290	Math for Diverse Learners	.29 (10 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)
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>16</b>

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\*\* 1 credit hour is equivalent to 35 contact hours