



**MIDDLE SCHOOL EDUCATION - MATHEMATICS, GRADES 5-9**

EDUCATOR PREPARATION PROGRAM NAME <b>MISSOURI STATE UNIVERSITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>119119</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 45 semester hours)**

**1. Content Planning and Delivery**

	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Curriculum and Instructional Planning	SEC302	General Methods of Instruction in the Middle and Secondary Schools	1(3)
b. Instructional Strategies and Techniques in Content Area Specialty	Choose one MTH409 or ELE429	Choose one (1) Teaching and Learning of Mathematics I Methods of Teaching Mathematics in Elementary Schools	1(3) 1(3)
c. Assessment, Student Data, and Data-Based Decision-Making	SFR486 or MID439	Management and Assessment in the Middle and Secondary Classroom Middle School Instructional Strategies	1.5(3) 1(3)
d. Strategies for Content Literacy	RDG474 or RDG710	Reading and Writing in the Content Fields, Content Area Literacy	0(3)
e. Critical Thinking and Problem Solving	SEC302  EDC350 or MID439	General Methods of Instruction in the Middle and Secondary Schools School and Society Middle School Instructional Strategies	.5(3) 1.5(3) 1(3)
f. English Language Learning	RDG474 or RDG710 RDG640 or  RDG574/624	Reading and Writing in the Content Fields, Content Area Literacy Analysis and Correction of Difficulties in Literacy Analysis and Correction of Difficulties in Adolescent Literacy	0(3) 0(3) 0(3)

2. Individual Student Needs			
	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY360 or PSY710	Educational Psychology, Psychology of Education	1.5(3)
b. Psychology/Education of the Exceptional Child	SPE340 or SPE710 or SPE310	Educational Alternative for Exceptional Students, Foundations in Special Education Introduction to Special Education	2-3 3
c. Differentiated Learning	SEC302	General Methods of Instruction in the Middle and Secondary School	.5(3)
	RDG474 or RDG710	Reading and Writing in the Content Fields, Content Area Literacy	0(3)
	RDG640 or	Analysis and Correction of Difficulties in Literacy	0(3)
	RDG574/624	Analysis and Correction of Difficulties in Adolescent Literacy	0(3)
d. Classroom Management	SFR486 or	Management and Assessment in the Middle and Secondary Classroom or	1.5(3)
	MID400	Philosophy, Curriculum and Organization of Middle School Education	.5(3)
	MID 439	Middle School Instructional Strategies	0(3)
e. Cultural Diversity	EDC345	Introduction to Multicultural Education and Diversity	3
f. Educational Psychology	PSY360 or PSY710	Educational Psychology, Psychology of Education	1.5(3)
3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	RDG474 or RDG710	Reading and Writing in the Content Fields, Content Area Literacy	0(3)
b. Legal/Ethical Aspects of Teaching	EDC350 or	School and Society or	1.5(3)
	MID439	Middle School Instructional Strategies	0(3)
	MID493 MID494	Supervised Teaching Supervised Teaching	.5(6) .5(6)
c. Middle School Philosophy and Organization	MID400	Philosophy, Curriculum and Organization of Middle School Education	2.5(3)
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	RDG474 or RDG710	Reading and Writing in the Content Fields, Content Area Literacy	3
b. Instructional Interventions for Students with Reading Deficits	RDG640 or	Analysis and Correction of Difficulties in Literacy	3
	RDG574/624	Analysis and Correction of Difficulties in Adolescent Literacy	3

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. Mathematics	MTH130	Contemporary Mathematics	3
	MTH320	Foundations of Mathematics for Teachers	3
	MTH340 or MTH343	Statistical Methods or	3
		Foundations of Probability and Statistics for Teachers	3
	MTH479	Mathematical Tools and Structures	3
	Choose one	Choose one (1)	
	MTH360	Foundations of Geometry for Teachers	3
	MTH460	College Geometry	3
	Choose one	Choose one (1)	
	MTH377	Mathematical Processes	3
	MTH261	Analytic Geometry and Calculus I	5
	Choose two	Choose two (2)	
	MTH103	Intermediate Algebra	3
	MTH121	Multicultural Views of History and Mathematics	3
	MTH135	College Algebra	3
	MTH138	Pre-Calculus Mathematics	5
	MTH181	Trigonometry	3
MTH215	Discrete Mathematics	3	
MTH261	Analytic Geometry and Calculus I	5	
MTH280	Analytic Geometry and Calculus II	5	
MTH300	Service Learning in Mathematics	1	
MTH315	Algebraic Structures	3	
MTH575	History of Mathematics	3	
<b>Professional Requirements - Total Semester Hours</b>			<b>BSED/PB= 50.5-51.5</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)	SEC302	General Methods of Instruction in the Middle and Secondary Schools	1(3)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	MID439	Middle School Instructional Strategies	1(3)
	MTH409	Teaching and Learning of Mathematics I  *ELE majors adding Middle School certification will use ELE429 (methods course) and will have completed 125 clock hours of mid-level practicum in ELE500.	2(3)
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	MID493	Supervised Teaching	5.5(6)
	MID494	Supervised Teaching	5.5(6)
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>15</b>

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