



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

EDUCATOR PREPARATION PROGRAM NAME <b>SOUTHEAST MISSOURI STATE UNIVERSITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>120120</b>
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**INSTRUCTIONS**

Please complete Educator Preparation Program (EPP) Name & EPP Code above. The EPP Code may be located at <https://dese.mo.gov/sites/default/files/EPP-Code-Name.pdf>

**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	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.5
	SE 652	Intermediate Methods of Teaching in Middle Schools	.25
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
	SE 655	Techniques of Teaching STEM Content	.75
	SE 651	Introductory Practicum 1 in Middle and Secondary Schools	.25
	SE 660	Intermediate Practicum 2 in Middle and Secondary Schools	.25
b. Instructional Strategies and Techniques in Content Area Specialty	SE 655	Techniques of Teaching STEM Content	1
	SE 651	Introductory Practicum 1 in Middle and Secondary Schools	.25
	SE 660	Intermediate Practicum 2 in Middle and Secondary Schools	.25
c. Assessment, Student Data, and Data-Based Decision-Making	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.25
	SE 652	Intermediate Methods of Teaching in Middle Schools	.25
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.5
	SE 655	Techniques of Teaching STEM Content	.5
	SE 651	Introductory Practicum 1 in Middle and Secondary Schools	.25
	SE 660	Intermediate Practicum 2 in Middle and Secondary Schools	.25
d. Strategies for Content Literacy	SE 602	Effective Literacy Instruction at the Middle and Secondary Levels	Hours are counted under "Secondary Literacy"
e. Critical Thinking and Problem Solving	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.25
	SE 652	Intermediate Methods of Teaching in Middle Schools	.25

	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
	SE 655	Techniques of Teaching STEM Content	.75
f. English Language Learning	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
	SE 602	Effective Literacy Instruction at the Middle and Secondary Levels	Hours are counted under "Secondary Literacy"
	SE 612	Responsive Literacy Intervention for Middle and High School with Academic Challenges	
<b>2. Individual Student Needs</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Psychological Development of the Child and Adolescent	PY 222	Development of the Adolescent	3
b. Psychology/Education of the Exceptional Child	EX 390/635	Psychology and Education of the Exceptional Child	3
c. Differentiated Learning	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.5
	SE 652	Intermediate Methods of Teaching in Middle Schools	.25
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
d. Classroom Management	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.5
	SE 652	Intermediate Methods of Teaching in Middle Schools	.5
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.5
e. Cultural Diversity	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.25
	SE 652	Intermediate Methods of Teaching in Middle Schools	.5
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
f. Educational Psychology	SE 652	Intermediate Methods of Teaching in Middle Schools	.25
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.25
	SE 652	Intermediate Methods of Teaching in Middle Schools	.25
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
b. Legal/Ethical Aspects of Teaching	SE 650	Introduction to Teaching Methods in Middle and Secondary Schools	.5
	SE 652	Intermediate Methods of Teaching in Middle Schools	.5
	SE 654	Advanced Methods of Teaching in Middle and Secondary Schools	.25
c. Middle School Philosophy and Organization	SE 652	Intermediate Methods of Teaching in Middle Schools	.25

4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	SE 602	Effective Literacy Instruction at the Middle and Secondary Levels	3
b. Instructional Interventions for Students with Reading Deficits	SE 612	Responsive Literacy Intervention for Middle and High School with Academic Challenges	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	BA/BS in any content area with 24-27 credit hours of Mathematics.	BA/BS in any content area with 24-27 credit hours in Mathematics AND Successful passage of Missouri Content Assessment Exam in Middle School Mathematics (test # 012). In particular, the following competencies apply: <ul style="list-style-type: none"> <li>• 0001:Understand numbers</li> <li>• 0002:Understand operations</li> <li>• 0003:Understand patterns, relations, and functions</li> <li>• 0004:Understand algebraic techniques and applications</li> <li>• 0005:Understand linear relations and applications</li> <li>• 0006:Understand nonlinear relations and concepts of calculus</li> <li>• 0007:Understand measurement principles, procedures, and applications</li> <li>• 0008:Understand Euclidean geometry in two and three dimensions</li> <li>• 0009:Understand coordinate and transformational geometry</li> <li>• 0010:Understand principles and techniques of statistics</li> <li>• 0011:Understand principles of probability and techniques for determining probability</li> </ul>	
<b>Professional Requirements - Total Semester Hours</b>			<b>26+</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)	SE 651	Introductory Practicum 1 in Middle and Secondary Schools	2
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	SE 660	Intermediate Practicum 2 in Middle and Secondary Schools	2
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	SE 670	Internship in Middle and Secondary Schools (completed through a traditional 12-week, full-time internship or 2 years of teaching experience while employed in the area of certification on a provisional certificate)	8
<b>Field and Clinical Experiences – Total Semester Hours</b>			<b>12</b>