



**MATHEMATICS SPECIALIST, GRADES 1-6**

EDUCATOR PREPARATION PROGRAM NAME	EDUCATOR PREPARATION PROGRAM CODE
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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 Gale Hairston, 573/751-1668 or [DESE.MoSPETransition@dese.mo.gov](mailto:DESE.MoSPETransition@dese.mo.gov)

**General Requirements**

- Valid Missouri Teaching Certification
- Two-Years of Mathematics Teaching Experience

**A. Professional Requirements (Minimum of 24 semester hours)**

1. Mathematical Content Knowledge

Course Description	Course Number	Course Title	Semester Hours
a. Mathematics Knowledge-Concepts, structures, skills, and processes of school mathematics from an advanced perspective including number/operation; geometry/measurement; algebra; and probability and statistics			
b. Specialized Mathematics Knowledge of Teaching-Mathematics that relates to helping student understand school mathematics, often referred to as Mathematics Knowledge for Teaching (MKT)			

2. Pedagogical Content Knowledge (PCK) for Mathematics

Course Description	Course Number	Course Title	Semester Hours
a. Understanding how students and adults learn mathematics			
b. Effective teaching strategies for supporting mathematics learning			
c. Curriculum trajectories, materials, standards and methods for aligning curriculum systems			
d. Evaluation of mathematical abilities and achievement including formal and informal diagnostic procedures and in prescriptive instruction			

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3. Foundations of Leadership			
	Course Number	Course Title	Semester Hours
a. Effective communication strategies within and outside school			
b. Professional development expertise ability to plan, develop, implement and evaluate learning environments for teachers			
c. Ability to establish and nurture professional communities of learners-students, parents, and educators			
d. Informed about and contribute to policy and professional organization work related to teaching and learning mathematics			
4. Culminating Clinical Experience (Three semester hours of experience working with a full range of students and educators in various professional development settings)			
<b>Professional Requirements - Total Semester Hours</b>			