MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION
OFFICE OF EDUCATOR QUALITY – EDUCATOR PREPARATION

MATHEMATICS, GRADES 9-12

EDUCATOR PREPARATION PROGRAM NAME	EDUCATOR PREPARATION PROGRAM CODE

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 on or before the date established in the Transition Plan.

QUESTIONS: Contact Gale Hairston, 573/751-1668 or DESE.MoSPETransition@dese.mo.gov

A. Professional Requirements (Minimum of 26 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning			
b. Instructional Strategies and Techniques in Content Area Specialty			
c. Assessment, Student Data, and Data-Based Decision-Making			
d. Strategies for Content Literacy			
e. Critical Thinking and Problem Solving			
f. English Language Learning			

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent			
b. Psychology/Education of the Exceptional Child			
c. Differentiated Learning			
d. Classroom Management			
e. Cultural Diversity			
f. Educational Psychology			

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration			
b. Legal/Ethical Aspects of Teaching			

4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	**Course Title**	**Semester Hours**
a. Reading and Writing in the Content Area			
b. Instructional Interventions for Students with Reading Deficits			
Professional Requirements - Total Semester Hours			

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)			
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)			
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)			
Field and Clinical Experiences - Total Semester Hours			

C. Mathematics Content Knowledge Area (Minimum of 36 semester hours)

	Course Number	**Course Title**	**Semester Hours**
1. Calculus and Analytical Geometry (nine semester hours)			
2. Algebraic Structures (three semester hours)			
3. Geometry (three semester hours)			
4. Computer Science (three semester hours)			
5. Electives from the above coursework (six semester hours)			
6. Additional Mathematics coursework – Minimum of 12 semester hours to include at least three of the following areas of Mathematics:			
a. History of Mathematics (three semester hours)			
b. Structure of the Real Number System (three semester hours)			
c. Number Theory (three semester hours)			
d. Completion of Calculus Sequence (three semester hours)			
e. Probability and Statistics (three semester hours)			
f. Computer Science (three semester hours)			
g. Linear Algebra (three semester hours)			
Content Knowledge Area - Total Semester Hours			