



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

EDUCATOR PREPARATION PROGRAM NAME <b>UNIVERSITY OF MISSOURI-KANSAS CITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>116117</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

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	TCH-ED 385	Teaching and Learning with Technology	1
	TCH-ED 433	Special Methods of Teaching Mathematics in Middle and High School	1
b. Instructional Strategies and Techniques in Content Area Specialty	TCH-ED 433	Special Methods of Teaching Mathematics in Middle and High Schools	1
	TCH-ED 493	Seminar – Mathematics	1
c. Assessment, Student Data, and Data-Based Decision-Making	TCH-ED 315	Assessment and Data Literacy	2
d. Strategies for Content Literacy	EDRD 439, or EDRD 439	Language and Literacy Across the Disciplines, or Content Area Reading and Language Development	3 (3)
e. Critical Thinking and Problem Solving	TCH-ED 385	Teaching and Learning with Technology	2
f. English Language Learning	TCH-ED 314	Cultural Diversity and Teaching English Language Learners	2

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	TCH-ED 420	Adolescent Development	3
b. Psychology/Education of the Exceptional Child	TCH-ED 404	Education of the Exceptional Child and Youth	3
c. Differentiated Learning	TCH-ED 438	Culturally Responsive Strategies for Teaching Diverse Learners	2
d. Classroom Management	TCH-ED 330, or TCH-ED 430	Analyzing Learning Environments in Urban Contexts, or Gateway to Teaching	2 (2)
e. Cultural Diversity	TCH-ED 438	Culturally Responsive Strategies for Teaching Diverse Learners	1
	TCH-ED 314	Cultural Diversity and Teaching English Language Learners	1
	TCH-ED 330, or TCH-ED 430	Analyzing Learning Environments in Urban Contexts, or Gateway to Teaching	1 (1)

f. Educational Psychology	TCH-ED 403	Educational Psychology	3
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	TCH-ED 315	Assessment and Data Literacy	1
b. Legal/Ethical Aspects of Teaching	TCH-ED 312	Legal and Ethical Aspects of Teaching	3
c. Middle School Philosophy and Organization	TCH-ED 462	Middle School Philosophy and Organization	3
<b>4. Middle School Literacy (Minimum of six semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Reading and Writing in the Content Area	EDRD 439, or EDRD 439	Language and Literacy across the Disciplines, or Content Area Reading and Language Development	3  (3)
b. Instructional Interventions for Students with Reading Deficits	TCH-ED 463	Literacy Intervention across the Disciplines	3
<b>5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics	MATH 130, or TCH-ED 130 and MATH 140, or TCH-ED 140 and MATH 110, or Equivalent and At least 15 credit hours from the following: MATH 116 MATH 120 MATH 125 MATH 202, or upper level course MATH 204 MATH 205 MATH 206 MATH 210 MATH 214, or upper level course MATH 220, or upper level course MATH 224 MATH 300 MATH 301 STAT 235, or upper level course	Number Systems and Related Topics, or Number Systems and Related Topics and Geometry for Elementary Teachers, or Geometry for Elementary Teachers and College Algebra, or Equivalent with faculty approval and At least 15 credit hours from the following: Mathematics for Liberal Arts Precalculus Trigonometry Analytic Geometry, or upper level geometry course Mathematics for Teachers: Mathematical Immersion Discrete Mathematics Brief Calculus and Matrix Algebra Calculus I Mathematics for Teachers: Algebra, or upper level algebra course Calculus II, or upper level calculus course Mathematics for Teachers: Geometry Linear Algebra 1 On Solid Ground: Sets and Proofs Elementary Statistics, or upper level statistics course	3  3  3  15  (3) (3) (2) (3)  (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3)
f. Science			

g. Social Science			
h. Speech/Theatre			
<b>Professional Requirements - Total Semester Hours</b>			<b>63</b>
<b>B. Field and Clinical Experiences (Minimum of ten semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	TCH-ED 422	Practicum I – Middle and High School	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	TCH-ED 423	Practicum II – Middle and High School	1
	TCH-ED 424	Practicum III – Middle and High School	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	TCH-ED 461	Student Teaching in the Middle School	9
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>12</b>

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