



MIDDLE SCHOOL EDUCATION MATHEMATICS, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME UNIVERSITY OF MISSOURI (COLUMBIA)	EDUCATOR PREPARATION PROGRAM CODE 116116
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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 on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or 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	LTC 1130	Orientation	1
	LTC 4410	Teaching, Engaging, Assessing in Middle School	0.5
b. Instructional Strategies and Techniques in Content Area Specialty	LTC 4410	Teaching, Engaging, Assessing in Middle School	0.5
	LTC 4360	Introduction to Teaching Mathematics in Middle and Secondary Schools	1.5
	LTC 4581	Teaching Mathematics in Secondary Schools	1.5
	LTC 4370	Teaching and Modeling Middle School Mathematics	1.5
c. Assessment, Student Data, and Data-Based Decision-Making	ESC_PS 2010	Inquiry into Learning I	1
	ED_LPA 4060	Inquiry into Schools, Community & Society II	.75
	LTC 4410	Teaching, Engaging, Assessing in Middle School	0.5
d. Strategies for Content Literacy	SPC_ED 4020	Teaching the Exceptional Learner	.75
	LTC 4410	Teaching, Engaging, Assessing in Middle School	0.5
	LTC 4560	Reading & Writing in the Content Area I	See Below
e. Critical Thinking and Problem Solving	LTC 4360	Introduction to Teaching Mathematics in Middle and Secondary Schools	1.5
	LTC 4581	Teaching Mathematics in Secondary Schools	1.5
	LTC 4370	Teaching and Modeling Middle School Mathematics	1.5
f. English Language Learning	LTC 4460	Teaching English to Speakers of Other Languages	3

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	ESC_PS 2010	Inquiry into Learning I	1
	LTC 2200	School Health & Student Wellbeing	1.5
b. Psychology/Education of the Exceptional Child	SPC_ED 4020	Teaching the Exceptional Learner	.75
c. Differentiated Learning	SPC_ED 4020	Teaching the Exceptional Learner	.75
d. Classroom Management	SPC_ED 4310	Behavioral Management for Exceptional Students	3
e. Cultural Diversity	LTC 2040	Inquiry into Schools, Community & Society I	3
	ED_LPA 4060	Inquiry into Schools, Community & Society II	.75
	LTC 2200	School Health & Student Wellbeing	1.5
f. Educational Psychology	ESC_PS 2010	Inquiry into Learning I	1

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	ED_LPA 4060	Inquiry into Schools, Community & Society II	.75
b. Legal/Ethical Aspects of Teaching	SPC_ED 4020 ED_LPA 4060	Teaching the Exceptional Learner Inquiry into Schools, Community & Society II	.75 .75
c. Middle School Philosophy and Organization	LTC 4410	Teaching, Engaging, Assessing in Middle School	0.5
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	LTC 4560 LTC 4410	Reading & Writing in the Content Area I Teaching, Engaging, Assessing in Middle School	3 0.5
b. Instructional Interventions for Students with Reading Deficits	LTC 4565	Reading & Writing in the Content Area II	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. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics	MATH 1160 MATH 1300 MATH 1360 STAT 1200 STAT 4050 MATH 4060 MATH 4070 MATH 1400 or MATH 1500 MATH 2320	Precalculus Mathematics Finite Mathematics Geometric Concepts Introductory Statistical Reasoning Connecting Statistics to Middle & Secondary Schools Connecting Geometry to Middle & Secondary Schools Connecting Algebra to Middle & Secondary Schools Calculus for Social & Life Sciences Calculus I Discrete Mathematics	5 3 3 3 3 3 3 3 or 5 3
f. Science			
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			69-71
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)	ESC_PS 2014 LTC 2044	Inquiry into Learning I field Inquiry into Schools, Community & Society I field	1 1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	LTC 4364 LTC 4374	Teaching MS Math field I Teaching MS Math field II	1 1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	LTC 4971	Internship & Capstone Seminar	12
Field and Clinical Experiences - Total Semester Hours			16

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