



MATHEMATICS 5-9 - MASTER OF ARTS IN TEACHING (MAT)

EDUCATOR PREPARATION PROGRAM NAME MISSOURI STATE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 119119
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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	MID725	Advanced Theory and Practice in the Teaching of Early Adolescents	1(3)
	SFR797	Advanced Studies in Teaching and Learning	2(9)
b. Instructional Strategies and Techniques in Content Area Specialty	SFR797	Advanced Studies in Teaching and Learning	2(9)
c. Assessment, Student Data, and Data-Based Decision-Making	SFR797	Advanced Studies in Teaching and Learning	2(9)
	MID725	Advanced Theory and Practice in the Teaching of Early Adolescents	0(3)
d. Strategies for Content Literacy	RDG710	Content Area Literacy	.25(3)
e. Critical Thinking and Problem Solving	SFR797	Advanced Studies in Teaching and Learning	1(9)
f. English Language Learning	RDG710	Content Area Literacy	0(3)
	RDG574 or RDG640	Analysis and Correction of Difficulties in Literacy	.5(3)

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY710	Psychology of Education	1.25(3)
b. Psychology/Education of the Exceptional Child	SPE715	Foundations in Special Education	3
c. Differentiated Learning	SFR797	Advanced Studies in Teaching and Learning	1(9)
	MID 725	Educational Applications of Computers for Teaching	.25(3)
	RDG710	Content Area Literacy	.25(3)
	RDG574 or RDG640	Analysis and Correction of Difficulties in Literacy	0(3)
d. Classroom Management	SFR797	Advanced Studies in Teaching and Learning	.25(9)
	PSY710	Psychology of Education	.25(3)
	SEC783	Internship in Teaching I	1(3).
e. Cultural Diversity	RDG560 or RDG660	Diversity Issues in Literacy and Content Area Instruction	2(3)
	or RDG665	Cultural Diversity in Literacy and Instruction: Classrooms and Community	2(3)
	SFR797	Advanced Studies in Teaching and Learning	.25(9)
f. Educational Psychology	PSY710	Psychology of Education	1.5(3)

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	SFR797	Advanced Studies in Teaching and Learning	.25(9)
	RDG710	Content Area Literacy	0(3)
	SEC784	Internship in Teaching II	1(10)

b. Legal/Ethical Aspects of Teaching	SFR797	Advanced Studies in Teaching and Learning	.25(9)
c. Middle School Philosophy and Organization	MID725	Advanced Theory and Practice in the Teaching of Early Adolescents	1.75(3)

4. Middle School Literacy (Minimum of six semester hours)

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	RDG710	Content Area Literacy	2.5(3)
	RDG560 or RDG660 or RDG665	Diversity Issues in Literacy and Content Area Instruction Cultural Diversity in Literacy and Instruction: Classrooms and Community	.5(3) .5(3)
b. Instructional Interventions for Students with Reading Deficits	RDG574 or RDG640	Analysis and Correction of Difficulties in Literacy	2.5(3)
	RDG560 or RDG660 or RDG665	Diversity Issues in Literacy and Content Area Instruction Cultural Diversity in Literacy and Instruction: Classrooms and Community	.5(3) .5(3)

5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate areas)

	Course Number	Course Title	Semester Hours
a. Mathematics	MTH261	Analytic Geometry and Calculus I	5
	MTH280	Analytic Geometry and Calculus II	5
	MTH315	Algebraic Structures	3
	MTH460	College Geometry	3
	Choose one	Choose one (1)	
	CSC121	Introduction to Basic Programming	3
	CSC125	Introduction to C++ Programming	4
	CSC130	The World of Computer Science	3
	Choose one	Choose one (1)	
	MTH503	Advanced Calculus I	3
	MTH567	Introduction to Non-Euclidean Geometry	3
	MTH510	High School Mathematics from an Advanced Perspective	3
	MTH575	History of Mathematics	3

Professional Requirements – Total Semester Hours MAT=54

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)	SEC783	Internship in Teaching I	1(3)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	SEC783	Internship in Teaching I	1(3)
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	SEC784	Internship in Teaching II	9(10)

Field and Clinical Experiences - Total Semester Hours 11

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