

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

MASTER OF ARTS IN TEACHING (MAT) 9-12 MATH

EDUCATOR PREPARATION PROGRAM NAME

EDUCATOR PREPARATION PROGRAM CODE

MISSOURI STATE UNIVERSITY

119119

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)							
Content Planning and Delivery							
	Course Number	Course Title	Semester Hours				
a. Curriculum and Instructional Planning	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)				
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 RDG574 or RDG640	Content Area Literacy Analysis and Correction of Difficulties in Literacy	0(3) .5(3)				
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)				
	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)				
e.Cultural Diversity	SEC783 RDG560 or	Internship in Teaching I Diversity Issues in Literacy and Content Area	1(3) 2(3)				
e. Cultural Diversity	RDG660	Instruction	2(3)				
	RDG665	Cultural Diversity in Literacy and	2(3)				
	050707	Instruction: Classrooms and Community	05(0)				
f. Educational Daughalam.	SFR797	Advanced Studies in Teaching and Learning	.25(9)				
f. Educational Psychology 3. Schools and the Teaching Profession	PSY710	Psychology of Education	1.5(3)				
5. Schools and the reaching Profession	1		Semester				
	Course Number	Course Title	Hours				
a. Consultation and Collaboration	SFR797	Advanced Studies in Teaching and Learning	.25(9)				
	RDG710	Content Area Literacy	0(3)				
b. Legal/Ethical Aspects of Teaching	SEC784 SFR797	Internship in Teaching II Advanced Studies in Teaching and Learning	1(10) .25(9)				
D. Legal/Ethical Aspects of Teaching	SERTAL	Advanced Studies in Teaching and Learning	.20(8)				

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4. Seco	ondary Literacy (Minimum of six semester	hours)		
		Course Number	Course Title	Semester Hours
a.	Reading and Writing in the Content Area	RDG710 RDG560 or RDG660 or	Content Area Literacy Diversity Issues in Literacy and Content Area Instruction	2.5(3) .5(3)
		RDG665	Cultural Diversity in Literacy and Instruction: Classrooms and Community	.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	Diversity Issues in Literacy and Content Area Instruction	.5(3)
		or RDG665	Cultural Diversity in Literacy and Instruction: Classrooms and Community	.5(3)
		Professiona	I Requirements - Total Semester Hours	26
B. Field a	nd Clinical Experiences (Minimum of ter	n semester hours)		
		Course Number	Course Title	Semester Hours
a.	Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	SEC783	Internship in Teaching I	1(3)
b.	Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	SEC783	Internship in Teaching I	1(3)
c.	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 Clinic	cal Experiences - Total Semester Hours	11

		Course Number	Course Title	Semester Hours
1.	Calculus and Analytical Geometry (nine semester	MTH261	Analytic Geometry and Calculus I	5
	hours)	MTH280	Analytic Geometry and Calculus II	5
2.	Algebraic Structures (three semester hours)	MTH315	Algebraic Structures	3
3.	Geometry (three semester hours)	MTH460	College Geometry	3
4. C	Computer Science (three semester hours)	Choose one	Choose one (1)	
		CSC121	Introduction to Basic Programming	3
		CSC125	Introduction to C++ Programming	4
		CSC130	The World of Computer Science	3
	Electives from the above coursework (six semester	Choose two	Choose two (2)	
	hours)	MTH503	Advanced Calculus I	3
		MTH567	Introduction to Non-Euclidean Geometry	3
		MTH510	High School Mathematics from an Advanced	3
			Perspective	
		*MTH532	Introduction to Abstract Algebra	3
-	Additional Mathematics coursework - Minimum of			
	12 semester hours to include at least three of the			
	following areas of Mathematics: This is the section			
	where the following areas are "suggested."			
	A. History of Mathematics (three semester)	MTH575	History of Mathematics	3
	hours)			
	b. Structure of the Real Number System (three	*MTH532	Introduction to Abstract Algebra	3
	semester hours)			
	c. Number Theory (three semester hours)	MTH536	Theory of Numbers	3
	d. Completion of Calculus Sequence (three	MTH302	Multivariate Calculus	3
	semester hours)			
	e. Probability and Statistics (three semester	Choose one	Choose one (1)	
	hours)	MTH345	Statistics for Science and Engineers	3
		MTH540	Statistical Theory I	3
		MTH340	Statistical Methods	3
		MTH343	Foundations of Probability and Statistics for Teachers	3
	f. Computer Science (three semester hours)	n/a		
	g. Linear Algebra (three semester hours)	MTH333	Linear Algebra I	3
Н 5	32 cannot be counted in both C.5. and C.6.b.	Content K	nowledge Area-Total Semester Hours	MAT=40-4