



MIDDLE SCHOOL EDUCATION, GRADES 5-9 Mathematics

EDUCATOR PREPARATION PROGRAM NAME MARYVILLE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 041639
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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	EDUC 241	Fundamentals of Secondary Schools	1
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 431/532	Teaching Mathematics Methods: Secondary	2
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 241	Fundamentals of Secondary Schools	.5
d. Strategies for Content Literacy	EDUC 321	Literacy Across the Academic Disciplines	.5
e. Critical Thinking and Problem Solving	EDUC 241	Fundamentals of Secondary Schools	.5
f. English Language Learning	EDUC 241 EDUC 431/532	Fundamentals of Secondary Schools Teaching Mathematics Methods: Secondary	.5 .5

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	Two of the following: EDUC 309/509, EDUC 313/513 or PSYC 254	Child Dev. & Learning, Adol. Dev. & Learning or Human Development through the Lifespan	1.5 1.5
b. Psychology/Education of the Exceptional Child	EDUC 352/552	Ed. Psych. of the Exceptional Child	2
c. Differentiated Learning	EDUC 201 EDUC 352/552 EDUC 431/532	School & Society Ed. Psych. of the Exceptional Child Teaching Mathematics Methods: Secondary	.5 1 .5
d. Classroom Management	EDUC 315/515	Ed. Developmental Psych: Learn & Mgt.	2
e. Cultural Diversity	EDUC 201	School and Society	1
f. Educational Psychology	EDUC 315/515 EDUC 313/513	Ed. Developmental Psych: Learn & Mgt. Adolescent Development and Learning	1 1

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC 201 EDUC 404	School & Society Professional Seminar	.5 1
b. Legal/Ethical Aspects of Teaching	EDUC 201 EDUC 404	School & Society Professional Seminar	.5 1
c. Middle School Philosophy and Organization	EDUC 313/513	Adolescent Development & Learning	.5

4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 321/521	Literacy Across the Academic Disciplines	3
b. Instructional Interventions for Students with Reading Deficits	EDUC 361/561	Instructional Interventions in Reading	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	ISYS 100, COSC 105, COSC 106, COSC 110, COSC 120, COSC 150, COSC 151, or COSC 152	Computer Applications, Computer Games and Graphics, Computer Multimedia Application, Intro to Computer Systems, Intro to Web Page Technology, Intro to Java Programming, Computer Science I: C++ or Computer Science II: C++ OOP	3
	MATH 116, MATH 117, or or 207	Intermediate Algebra, College Algebra, or Algebra for Educators	3
	MATH 125	College Algebra & Trig	3
	MATH 141	Elementary Statistics	3
	MATH 151	Calculus & Analytical Geometry	3
	MATH 120 MATH 208, MATH 144, or MATH 370	Informal Geometry Geometry & Statistics for Educators, Elementary Statistics, or Mathematical Statistics I	3
	Two of the following: MATH 152 MATH 201, MATH 207 MATH 208 MATH 220, MATH 300, MATH 301, MATH 312, MATH 316, MATH 320, MATH 330, MATH 370, MATH 371, or MATH 498	Calculus & Analytical Geometry II, Math Models with Tech I or Algebra for Educators Geometry & Statistics for Educators Finite Mathematics Foundations of Math, Math Models with Tech II, Math Modeling Discrete Methods, Applied Linear Algebra, Applied Differential Equations, Euclid and Non-Euclidean Geometry, Mathematical Statistics I, Mathematical Statistics II, or Seminar	6
f. Science			
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			51
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)	EDUC 200 or EDUC 240	Practicum in School & Society or Practicum in Fundamentals of Secondary Schools	2

2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC 320, EDUC 360 or EDUC 430	Practicum in Literacy Across the Academic Disciplines, Practicum in Instr. Interventions in Reading or Setting up School Experience plus Practicum in Teaching Mathematics Methods: Secondary	2
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 400	Student Teaching	8
Field and Clinical Experiences - Total Semester Hours			12

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