



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

EDUCATOR PREPARATION PROGRAM NAME <b>WEBSTER UNIVERSITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>300335</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	SOCS 5760 OR COMM 5187	Middle School Curriculum & Instruction OR Secondary Techniques & Curriculum	1
b. Instructional Strategies and Techniques in Content Area Specialty	MTHT 4450	Middle School Math Methods	3
c. Assessment, Student Data, and Data-Based Decision-Making	CMAT 5015	Differentiated Instruction & Assessment	.75
d. Strategies for Content Literacy	SOCS 5760 OR COMM 5187 COMM 5920	Middle School Curriculum & Instruction OR Secondary Techniques & Curriculum Reading & Writing in the Content Fields	1  1
e. Critical Thinking and Problem Solving	SOCS 5760 OR COMM 5187	Middle School Curriculum & Instruction OR Secondary Techniques & Curriculum	1
f. English Language Learning	CMAT 5015	Differentiated Instruction & Assessment	.75

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	CMAT 5505 or EPSY 5505	Psychological Foundations of Education or Applied Developmental and Educational Psychology	3
b. Psychology/Education of the Exceptional Child	SPED 5860	Psychology of the Exceptional Student	3
c. Differentiated Learning	CMAT 5015	Differentiated Instruction & Assessment	.75
d. Classroom Management	CMAT 5170 OR EPSY 5170	Classroom & Behavior Management OR Behavioral Management	3
e. Cultural Diversity	CMAT 5000	Teaching in a Diverse Society	1
f. Educational Psychology	CMAT 5505 or EPSY 5505	Psychological Foundations of Education OR Applied Developmental and Educational Psychology	1

**3. Schools and the Teaching Profession**

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	CMAT 5015	Differentiated Instruction & Assessment	.75
b. Legal/Ethical Aspects of Teaching	CMAT 5000	Teaching in a Diverse Society	1
c. Middle School Philosophy and Organization	SOCS 5700	Middle School History & Philosophy	3

4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	COMM 5920 COMM 5199	Reading & Writing in the Content Fields Teaching Writing	2 3
b. Instructional Interventions for Students with Reading Deficits	COMM 5905	Reading Assessments & Interventions Gr 6-12	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. Mathematics	MATH 1430 MATH 1440 MATH 1610 MATH 1630 STAT 1100 OR STAT 3100 OR MATH 3200 MATH 3510 OR MATH 3530 MATH 3010 OR MATH 3130 OR MATH 1490 OR MATH 3210 OR MATH 3220 OR MATH 3610 OR MATH 1580 OR MATH 3040 OR MATH 2450 OR MATH 3000	24 HOURS of MATH CONTENT COURSES WILL BE DETERMINED BY REVIEW of UNDERGRADUATE TRANSCRIPTS. This is example of undergraduate courses from Webster University  College Algebra Trigonometry Calculus I Calculus II Descriptive Statistics OR Inferential Statistics OR Statistics Vector Geometry OR Modern Geometry Discrete Mathematics or Real Number System OR Finite Math OR Data Mining Foundations OR Data Mining Methods OR Probability OR Formal Logic OR Differential Equations OR Intro to Abstract Math Calculus III	24
<b>Professional Requirements - Total Semester Hours</b>			<b>56</b>
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)	CMAT 5000	Teaching in a Diverse Society	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	CMAT 5101	Practicum: Middle School Math	3
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	CMAT 5201	Apprentice Teaching: Middle School Math	9
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>13</b>

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