



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

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	EDUC 4200 OR EDUC 3500	Middle School Curriculum and Instruction OR Methods of Teaching Secondary School	1
b. Instructional Strategies and Techniques in Content Area Specialty	MTHT 4450	Middle School Mathematics Methods	3
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 3100 Or PSYC 2400 & EDUC 3120	Learning, Teaching and Assessment Or Educational Psychology and Classroom Assessment	1.5
d. Strategies for Content Literacy	EDUC 4200 OR EDUC 3500 EDUC 3900	Middle School Curriculum and Instruction OR Methods of Teaching Secondary School Methods of Teaching Reading and Writing in the Content Area	1 0
e. Critical Thinking and Problem Solving	EDUC 4200 OR EDUC 3500	Middle School Curriculum & Instruction OR Methods of Teaching Secondary School	1
f. English Language Learning	EDUC 4435	Inclusive Practices for the General Education Teacher	.75

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDUC 2300 or PSYC 2300 or PSYC 2200 & PSYC 2250	Child and Adolescent Development or Lifespan Development or Child Psychology & Adolescent Psychology	3
b. Psychology/Education of the Exceptional Child	EDUC 2900	Education of Students with Exceptionalities	3
c. Differentiated Learning	EDUC 4435	Inclusive Practices for the General Education Teacher	.75
d. Classroom Management	EDUC 3375	Behavioral Management	3
e. Cultural Diversity	EDUC 2800 or EDUC 3150 EDUC 4435	Foundations of Education or Education in a Diverse Society Inclusive Practices for the General Education Teacher	1.5 .75
f. Educational Psychology	EDUC 3100 Or PSYC 2400 & EDUC 3120	Learning, Teaching and Assessment Or Educational Psychology and Classroom Assessment)	1.5

**3. Schools and the Teaching Profession**

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC 4435	Inclusive Practices for the General Education Teacher	.75
b. Legal/Ethical Aspects of Teaching	EDUC 2800 or EDUC 3150	Foundations of Education or Education in a Diverse Society	1.5
c. Middle School Philosophy and Organization	EDUC 2240	Middle School Philosophy and History	3

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

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 3900	Methods of Teaching Reading and Writing in the Content Area	3
b. Instructional Interventions for Students with Reading Deficits	EDUC 4695	Differentiated Reading Assessment and Intervention	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	College Algebra	3
	MATH 1440	Trigonometry	3
	MATH 1610	Calculus I	5
	MATH 1620	Calculus II	5
	STAT 1100 OR STAT 3100 OR MATH 3200	Descriptive Statistics OR Inferential Statistics OR Statistics	3
	MATH 3510 OR MATH 3530	Vector Geometry OR Modern Geometry	3
	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	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	3
			25

**Professional Requirements - Total Semester Hours**

**56-60**

**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 2000 or EDUC 3155	Beginning Practicum or Early Diversity Practicum	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC 3002	Practicum: Middle School Math	3
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 4966	Apprentice Teaching: Middle School Math	13

**Field and Clinical Experiences - Total Semester Hours**

**17**

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