



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

**MATHEMATICS, GRADES 9-12**

EDUCATOR PREPARATION PROGRAM NAME <b>Missouri Baptist University</b>	EDUCATOR PREPARATION PROGRAM CODE <b>041538</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 26 semester hours)**

**1. Content Planning and Delivery**

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	ECTA 323	Curriculum, Assessment, and Data-based Decision Making	1
b. Instructional Strategies and Techniques in Content Area Specialty	EDMS 473/573	Teaching Mathematics for Middle/Secondary; Seminar and Field Experience	3
c. Assessment, Student Data, and Data-Based Decision-Making	ECTA 323	Curriculum, Assessment, and Data-based Decision Making	1
d. Strategies for Content Literacy	EDRD 423/523	Integration of Literacy in the Content Areas	*Hours included below in 4a
e. Critical Thinking and Problem Solving	EDUC 201	Professional Growth & Folio Development I	1
	EDUC 200	Continuing Portfolio Development for Teacher Candidates	0
	EDUC 303	Methods of Teaching and Differentiated Instruction	1
	EDUC 373 OR EDUC 573	Technology and Instructional Media OR Applications of Technology in Teaching and Learning	3
f. English Language Learning	EDUC 203	Teaching in a Diverse Society	1
	EDRD 423/523	Integration of Literacy in the Content Areas Students transferring in a course for EDRD 423/523 which does not include a field experience working with English language learners must complete EDCL 420/520 Field Experience with English Language Learners	*Hours included below in 4a

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSYC 313 OR PSYC 553	Human Growth and Development OR Advanced Human Development	3
	EDPS 383	Psychology of Teaching and Learning	1
	EDPS 453/553	The Exceptional Child	1
	EDTR 413/513	Trauma Informed Classroom	1
b. Psychology/Education of the Exceptional Child	EDPS 453/553	The Exceptional Child	2
c. Differentiated Learning	EDUC 303	Methods of Teaching and Differentiated Instruction	2
d. Classroom Management	ETOP 423/523	Classroom and Behavior Management	2
	EDTR 413/513	Trauma Informed Classroom I	1
e. Cultural Diversity	EDUC 203	Teaching in a Diverse Society	2
f. Educational Psychology	EDPS 383	Psychology of Teaching and Learning	1

**3. Schools and the Teaching Profession**

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	ECTA 323	Curriculum, Assessment, and Data-based Decision Making	1

	EDPS 383	Psychology of Teaching and Learning	0.5
	EDTR 413/513	Trauma Informed Classroom I	1
	EDUC 210 AND 410/510	Teaching Field Experience I and II Seminar	0
	EDUC 401	Professional Growth and Folio Development II	1
	ETOP 423/523	Classroom and Behavior Management	0.5
b. Legal/Ethical Aspects of Teaching	EDPS 383	Psychology of Teaching and Learning	0.5
	EDUC 410/510	Teaching Field Experience II Seminar	0
	ETOP 423/523	Classroom and Behavior Management	0.5
<b>4. Secondary Literacy (Minimum of 6 semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Reading and Writing in the Content Area	EDRD 423/523	Integration of Literacy in the Content Areas	3
b. Instructional Interventions for Students with Reading Deficits	EDRD 463/563	Reading and Writing Strategies for Middle/Secondary Content Areas	3
<b>Professional Requirements - Total Semester Hours</b>			<b>41</b>
<b>B. Field and Clinical Experiences (Minimum of 10 semester hours)</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Early Field Experiences (Minimum of 1 semester hour with a minimum of 30 clock hours)	EDCL 211 *EDCL 220	Teaching Field Experience I *Teaching Field Experience <i>(required for transfer students who do not have a MEES (or equivalent) evaluation for Field I)</i>	1 0
	EDUC 210	Teaching Field Experience I Seminar	0
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDCL 411/511 EDUC 410/510	Teaching Field Experience II Teaching Field Experience II Seminar	1 0
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	ESCL 4712/5712 EDUC 470	Student Teaching: Secondary Student Teaching Professional Development Seminar	12 0
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>14</b>
<b>C. Mathematics Content Knowledge Area (Minimum of 33 semester hours)</b>			
In addition to the requirements specified Sections A and B, an applicant for a Missouri certificate of license to teach Mathematics must also:			
<ul style="list-style-type: none"> <li>• be in possession of a baccalaureate or higher degree, from a regionally accredited college or university, in Mathematics; or</li> <li>• have completed at least thirty-three (33) semester hours in mathematics-related coursework, with at least twenty-four (24) hours addressing all of the following six (6) areas:</li> </ul>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
1. Algebra;	MATH 353	Linear Algebra	3
2. Geometry;	MATH 323	Foundations of Geometry	3
3. Trigonometry;	MATH 155 OR MATH 133 AND MATH 143	Precalculus OR College Algebra AND College Trigonometry	2.5 OR 1.5
4. Pre-Calculus;	MATH 155 OR MATH 133 AND MATH 143	Precalculus OR College Algebra AND College Trigonometry	2.5 OR 3 1.5
5. Calculus; and	MATH 164 MATH 254 MATH 264	Calculus I Calculus II Calculus III	4 4 4
6. Statistics	MATH 273 OR MATH 243	Probability & Statistical Methods OR Probability & Statistics	3 OR 3
7. Math Electives	MATH 213 MATH 313 MATH 343 MATH 363 MATH 423 MATH 433 MATH 453A/553A MATH 453B MATH 463/563	Elective courses from the following to complete a minimum of 33 hours in mathematics-related coursework  Discrete Mathematics Elementary Number Theory Statistical Methods Differential Equations Algebraic Structures Mathematics Seminar Advanced Calculus I Advanced Calculus II Numerical Analysis	  3 3 3 3 3 3 3 3 3
<b>Content Knowledge Area - Total Semester Hours</b>			<b>33-35</b>

physical disability, or any other basis prohibited by statute in its programs and activities. Inquiries related to department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Director of Civil Rights Compliance and MOA Coordinator (Title VI/Title VII/Title IX/504/ADA/ADAAA/Age Act/GINA/USDA Title VI), 5th Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number 573-526-4757 or TTY 800-735-2966; email [civilrights@dese.mo.gov](mailto:civilrights@dese.mo.gov).