



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

MATHEMATICS, GRADES 9-12

EDUCATOR PREPARATION PROGRAM NAME Missouri Baptist University	EDUCATOR PREPARATION PROGRAM CODE 041538
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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 grouplisted.
- **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 grouplisted.
- **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 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
	AND EDSP 453/553	Teaching Remedial Math K-12: 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	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	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
4. Secondary Literacy (Minimum of 6 semester hours)			
	Course Number	Course Title	Semester Hours
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
Professional Requirements - Total Semester Hours			41
B. Field and Clinical Experiences (Minimum of 10 semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of 1 semester hour with a minimum of 30 clock hours)	EDCL 211	Teaching Field Experience I	1
	*EDCL 220	*Teaching Field Experience <i>(required for transfer students who do not have a MEES (or equivalent) evaluation for Field I)</i>	0
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDUC 210	Teaching Field Experience I Seminar	0
	EDCL 411/511	Teaching Field Experience II	1
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	EDUC 410/510	Teaching Field Experience II Seminar	0
	ESCL 4712/5712	Student Teaching: Secondary	12
	EDUC 470	Student Teaching Professional Development Seminar	0
Field and Clinical Experiences - Total Semester Hours			14
C. Mathematics Content Knowledge Area (Minimum of 36 semester hours)			
	Course Number	Course Title	Semester Hours
1. Calculus and Analytical Geometry (9 semester hours)	MATH 164	Calculus I	4
	MATH 254	Calculus II	4
	MATH 264	Calculus III	1
2. Algebraic Structures (3 semester hours)	MATH 423	Algebraic Structures	3
3. Geometry (3 semester hours)	MATH 323	Foundations of Geometry	3
4. Computer Science (3 semester hours)	ITBU 203	Introduction to Application Development	3
5. Electives from the above coursework (6 semester hours)	MATH 264	Calculus III	3
	MATH 363	Differential Equations	3
6. Additional Mathematics coursework – Minimum of 12 semester hours to include at least 3 of the following areas of Mathematics			
a. History of Mathematics (3 semester hours)	MATH 433	Mathematics Seminar	3
b. Structure of the Real Number System (3 semester hours)			
c. Number Theory (3 semester hours)	MATH 213	Discrete Mathematics	3
	MATH 313	Elementary Number Theory	3
d. Completion of Calculus Sequence (3 semester hours)	MATH 453A	Advanced Calculus I	3
	MATH 453B	Advanced Calculus II	3
e. Probability and Statistics (3 semester hours)	MATH 273	Probability and Statistical Methods	3
f. Computer Science (3 semester hours)			
g. Linear Algebra (3 semester hours)	MATH 353	Linear Algebra	3
Content Knowledge Area - Total Semester Hours			36