



**MATHEMATICS, GRADES 9-12**

EDUCATOR PREPARATION PROGRAM NAME  
**EVANGEL UNIVERSITY**

EDUCATOR PREPARATION PROGRAM CODE  
**041617**

**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	EDUC 225	Introduction to Curriculum and Instruction Planning	1.5
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 228	Instructional Strategies and Techniques in Content Area Specialty	2.5
	MATH 336	Methods of Teaching Mathematics	1
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 434	Assessment and Data Based Decision Making	3
d. Strategies for Content Literacy	EDUC 352	Content Area Literacy	(3)
e. Critical Thinking and Problem Solving	EDUC 225	Curriculum and Instruction Planning	.5
f. English Language Learning	EDUC 271	Education of the Exceptional and English Language Learner	1

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSYC 237 or PSYC 233	Lifespan Human Growth and Development Child and Adolescent Psychology	3
b. Psychology/Education of the Exceptional Child	EDUC 271	Education of the Exceptional and English Language Learner	2
c. Differentiated Learning	EDUC 228	Instructional Strategies and Techniques in Content Area Specialty	.5
d. Classroom Management	EDUC 421	Effective Engagement of the Learner	1.5
e. Cultural Diversity	ICST 350	Global Connections	3
f. Educational Psychology	EDUC 421	Effective Engagement Of the Learner	1.5

**3. Schools and the Teaching Profession**

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC 225 EDUC 427	Curriculum and Instruction Planning Seminar in Student Teaching	.5 2
b. Legal/Ethical Aspects of Teaching	EDUC 225	Curriculum and Instruction Planning	.5

4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 352	Content Area Literacy	3
b. Instructional Interventions for Students with Reading Deficits	EDUC 351-2	Analysis and Correction of Reading Difficulties	3
<b>Professional Requirements - Total Semester Hours</b>			<b>27</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)	EDUC 220	Level I Field Experience	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC 397 EDUC 497	Level II Field Experience Level III Field Experience	1 1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 437 EDUC 427	Student Teaching Seminar	12 2
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>15</b>
C. Mathematics Content Knowledge Area (Minimum of 36 semester hours)			
	Course Number	Course Title	Semester Hours
1. Calculus and Analytical Geometry (nine semester hours)	Math 231 Math 232 Math 233	Calculus and Analytical Geometry I Calculus and Analytical Geometry II Calculus and Analytical Geometry III	4 4 1
2. Algebraic Structures (three semester hours)	Math 343	Algebraic Structures	3
3. Geometry (three semester hours)	Math 334	Foundations of Geometry	3
4. Computer Science (three semester hours)	CPSC 111	Introduction to Computer Science	3
5. Electives from the above coursework (six semester hours)	Math 212 Math 233	Discrete Mathematics Calculus and Analytical Geometry III	3 3
6. Additional Mathematics coursework – Minimum of 12 semester hours to include at least three of the following areas of Mathematics:			
a. History of Mathematics (three semester hours)	Math 490*	Readings in Mathematics (History)	1
b. Structure of the Real Number System (three semester hours)	Math 442**	Advanced Calculus	3
c. Number Theory (three semester hours)			
d. Completion of Calculus Sequence (three semester hours)	Math 431** Math 432**	Differential Equations Numerical Analysis	3 2
e. Probability and Statistics (three semester hours)	Math 210* Math 310**	Elementary Statistics Probability and Statistical Inference	3 3
f. Computer Science (three semester hours)	Math 432**	Numerical Analysis	1
g. Linear Algebra (three semester hours)	Math 331*	Linear Algebra	3
<b>Content Knowledge Area - Total Semester Hours</b>			<b>37</b>

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\*Required Course

\*\*Elective Course. Students must pick a minimum of 6 hours of upper division electives from Math 310, 431, 432, and 442. This guarantees that each student takes at least 12 hours in three of the different areas from C6.