



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

BIOLOGY, 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 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	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
	GSCI 336	Methods of Teaching Science	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
g.			

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSYC 237 or	Lifespan Human Growth and Development or	3
	PSYC 233	Child and Adolescent Psychology	
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	Curriculum and Instruction Planning	.5
	EDUC 427	Seminar in Student Teaching	
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
Professional Requirements - Total Semester Hours			27
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	Level II Field Experience	1
	EDUC 497	Level III Field Experience	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 437	Student Teaching	12
	EDUC 427	Seminar	2
Field and Clinical Experiences - Total Semester Hours			15
C. Biology Content Knowledge Area (Minimum of 35 semester hours)			
	Course Number	Course Title	Semester Hours
1. History/Philosophy of Science and Technology (Minimum of three semester hours)	GSCI 230	History and Philosophy of Science	3
2. Biology Coursework – Minimum of 20 semester hours which must include:			
a. Cell Biology	BIOL 200	General Biology	4
b. Plant Form and Function	BIOL 202	Botany	4
c. Animal Form and Function	BIOL 201	Zoology	4
d. Genetics	BIOL 200	General Biology	(4)
e. Evolution	BIOL 201	Zoology	(4)
f. Biology Electives	BIOL 311 BIOL 312 BIOL 320 BIOL 334 BIOL 335 BIOL 338 BIOL 341 BIOL 342 BIOL 343 BIOL 345 BIOL 360 BIOL 375 BIOL 437 BIOL 460	Human A&P I Human A&P II Plant Propagation Medical Terminology Microbiology Genetics Marine Biology Ecology Environmental Biology Biostatistics Pathophysiology Biochemistry Cell Biology Bioethics	8
3. Additional Science Coursework – Minimum of 12 semester hours which must include:			
a. Chemistry	CHEM 110	Chemistry for Health Sciences	4
b. Physics	PHYS 211 or GSNI 115	General Physics I or Physical Science	4 or 5
c. Earth Science	GSCI 111 or GSCI 112	Geology or Meteorology	4
d. Environmental Science	BIOL 341 or BIOL 342 or BIOL 343	Marine biology or Ecology or Environmental Biology	4
Content Knowledge Area - Total Semester Hours			39 or 40

The Department of Elementary and Secondary Education does not discriminate on the basis of race, color, religion, gender, national origin, age, or disability 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, Office of the General Counsel, Coordinator – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6th 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.