



**BIOLOGY, GRADES 9-12 - Alternative**

EDUCATOR PREPARATION PROGRAM NAME <b>HANNIBAL-LAGRANGE UNIVERSITY</b>	EDUCATOR PREPARATION PROGRAM CODE <b>041544</b>
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**INSTRUCTIONS**

Please complete Educator Preparation Program (EPP) Name & EPP Code above. The EPP Code may be located at <https://dese.mo.gov/sites/default/files/EPP-Code-Name.pdf>

**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)

<b>A. Professional Requirements (Minimum of 26 semester hours)</b>			
<b>1. Content Planning and Delivery</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Curriculum and Instructional Planning	EDU 5123 or EDU 203	Curriculum and Instruction	3 or 3
b. Instructional Strategies and Techniques in Content Area Specialty	EDU 5333 or SED 423	Middle School and Secondary Education Methods in Content Area Specialty	3 or 3
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 5053 or EDU 383	Assessment and Evaluation in Education or Educational Tests and Measurements	3 or 3
d. Strategies for Content Literacy	EDU 5223 or SED 336	Reading and Writing Across the Curriculum	3
e. Critical Thinking and Problem Solving	EDU 5023 or EDU 223	Psychology of Learning	3 or 3
f. English Language Learning	EDU 5063	Literacy for Diverse Learners	3
<b>2. Individual Student Needs</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Psychological Development of the Child and Adolescent	EDU 5313 or PSY 263 or PSY 333	Child and Adolescent Psychology Developmental Psychology	3 or 3
b. Psychology/Education of the Exceptional Child	EDU 5303 or EDU 273 or EDU 313	Psychology and Education of the Exceptional Child	3 or 3 or 3
c. Differentiated Learning	EDU 5113	Differentiated Instruction	3
d. Classroom Management	EDU 5033 or SED 403	Behavior Management or Classroom Management	3 or 3
e. Cultural Diversity	EDU 5063 or EDU 213	Literacy for Diverse Learners	
f. Educational Psychology	EDU 5023 or EDU 223	Psychology of Learning	
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	EDU 5013 or  EAD 5013	Counseling and Collaboration Techniques with Children, Families, and Teachers from a Biblical Worldview or Foundations of Educational Administration and Special Services from a Biblical Worldview	3
b. Legal/Ethical Aspects of Teaching	EDU 5133	School Law	3

4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDU 5223 or SED 336	Reading and Writing Across the Curriculum	
b. Instructional Interventions for Students with Reading Deficits	EDU 5063	Literacy for Diverse Learners or	
<b>Professional Requirements - Total Semester Hours</b>			<b>36</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)	EDU 5901 or EDU 100	Field Experience I	.5
	EDU 5902 or EDU 200	Field Experience II	.5
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDU 5903	Field Experience III	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDU 5909 or EDU 479	Student Teaching or Education Professional Semester	9 or 12
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>11-14</b>
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)		Passage of the MoCA with a score of 220 or above on 016 Biology	MoCA Passage or content courses listed for the undergraduate curriculum in Biology Education
2. Biology Coursework – Minimum of 20 semester hours which must include:			
a. Cell Biology			
b. Plant Form and Function			
c. Animal Form and Function			
d. Genetics			
e. Evolution			
f. Biology Electives			
3. Additional Science Coursework – Minimum of 12 semester hours which must include:			
a. Chemistry			
b. Physics			
c. Earth Science			
d. Environmental Science			
<b>Content Knowledge Area - Total Semester Hours</b>			

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