



BIOLOGY, GRADES 9-12

EDUCATOR PREPARATION PROGRAM NAME HANNIBAL-LAGRANGE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 041544
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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 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	EDU 203 <u>or</u> EDU 5123	Curriculum & Instruction	3
b. Instructional Strategies and Techniques in Content Area Specialty	SED 423 <u>or</u> EDU 5333	Secondary Education Methods in the Content Area Specialty <u>or</u> Middle School and Secondary Education Methods in the Content Area	3
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 383 <u>or</u> EDU 5053	Educational Tests & Measurements <u>or</u> Assessment & Evaluation in Education	3
d. Strategies for Content Literacy	SED 336 <u>or</u> EDU 5223	Reading & Writing in the Content Area <u>or</u> Reading & Writing Across the Curriculum	hours counted elsewhere
e. Critical Thinking and Problem Solving	EDU 223 <u>or</u> EDU 5023	Psychology of Learning	3
f. English Language Learning	EDU 213 <u>or</u> EDU 5063	Literacy for Diverse Learners	hours counted elsewhere

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY 263 <u>or</u> EDU 5313 <u>or</u> PSY 333	Child & Adolescent Psychology <u>or</u> Developmental Psychology	3
b. Psychology/Education of the Exceptional Child	EDU 273 <u>or</u> 313 <u>or</u> EDU 5303	Psychology & Education of the Exceptional Child	3
c. Differentiated Learning	EDU 203 <u>or</u> EDU 5123 EDU 213 <u>or</u> EDU 5063 EDU 273 <u>or</u> 313 <u>or</u> EDU 5303	Curriculum & Instruction Literacy for Diverse Learners Psychology of the Exceptional Child	hours counted elsewhere
d. Classroom Management	SED 403 <u>or</u> EDU 5033	Classroom Management for Secondary Classrooms <u>or</u> Behavior Management	3
e. Cultural Diversity	EDU 213 <u>or</u> EDU 5063	Literacy for Diverse Learners	hours counted elsewhere
f. Educational Psychology	EDU 223 <u>or</u> EDU 5023	Psychology of Learning	hours counted elsewhere

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	SED 403 <u>or</u> EDU 5033 SED 423 <u>or</u> EDU 5333 EDU 479 <u>or</u> EDU 5909	Classroom Management for Secondary Classrooms <u>or</u> Behavior Management Secondary Education Methods in the Content Area Specialty <u>or</u> Middle School and Secondary Education Methods in the Content Area Education Professional Semester <u>or</u> Student Teaching	hours counted elsewhere
b. Legal/Ethical Aspects of Teaching	EDU 273 <u>or</u> 313 <u>or</u> EDU 5303 EDU 383 <u>or</u> EDU 5053 EDU 479 <u>or</u> EDU 5909	Psychology & Education of the Exceptional Child Educational Tests & Measurements <u>or</u> Assessment & Evaluation in Education Education Professional Semester <u>or</u> Student Teaching	hours counted elsewhere

4. Secondary Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDU 213 <u>or</u> EDU 5063 SED 336 <u>or</u> EDU 5223	Literacy for Diverse Learners Reading & Writing in the Content Area <u>or</u> Reading & Writing Across the Curriculum	3 3
b. Instructional Interventions for Students with Reading Deficits	EDU 213 <u>or</u> EDU 5063 SED 336 <u>or</u> EDU 5223	Literacy for Diverse Learners Reading & Writing in the Content Area <u>or</u> Reading & Writing Across the Curriculum	hours counted elsewhere
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)	EDU 100 <u>or</u> 5901 EDU 200 <u>or</u> 5902	Field Experience I Field Experience II	.5 .5
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDU 301 <u>or</u> EDU 5903	Content Area Practicum <u>or</u> Field Experience III – Content Area Practicum	1 <u>or</u> 1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDU 479 <u>or</u> EDU 5909	Education Professional Semester <u>or</u> Student Teaching	12 <u>or</u> 9
Field and Clinical Experiences - Total Semester Hours			11-14

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)	SCI 303	History & Philosophy of Science	3
2. Biology Coursework – Minimum of 20 semester hours which must include:			
a. Cell Biology	BIO 423	Principles of Cell Biology	3
b. Plant Form and Function	BIO 234 BIO 244	General Biology I (with Lab) General Biology II (with Lab)	4 4
c. Animal Form and Function	BIO 234 BIO 244	General Biology I (with Lab) General Biology II (with Lab)	hours counted elsewhere
d. Genetics	BIO 354	General Genetics	4
e. Evolution	BIO 333	General Ecology	3
f. Biology Electives	BIO 314 BIO 344	Human Anatomy & Physiology Microbiology	4 4
3. Additional Science Coursework – Minimum of 12 semester hours which must include:			

a. Chemistry	CHM 135 CHM 145	Chemistry I Chemistry II	5 5
b. Physics	PHY 214	General Physics	4
c. Earth Science	PHS 133 <u>or</u> PHS 143	Earth Science I <u>or</u> Earth Science II	3
d. Environmental Science	BIO 333	General Ecology	hours counted elsewhere
Content Knowledge Area - Total Semester Hours			49

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