



**BIOLOGY, GRADES 9-12 Master of Arts in Teaching**

EDUCATOR PREPARATION PROGRAM NAME	FONTBONNE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE	038603
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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 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	EDU569	Critical Skills in Teaching Profession w/Field Experience	1
	OR		
	EDU269	Critical Skills in Teaching Profession w/Field Experience	
	OR		
	EDU531	The Contemporary Classroom	
	EDU575	Content Planning, Delivery and Assessment	1
	OR		
	EDU271	Content Planning, Delivery and Assessment	
	OR		
	EDU547	Curriculum Design, Assessment and Improvement	
	EDU597	The Instructional Process	1
b. Instructional Strategies and Techniques in Content Area Specialty	EDU575	Content Planning, Delivery and Assessment	1
	OR		
	EDU271	Content Planning, Delivery and Assessment	
	OR		
	EDU547	Curriculum Design, Assessment and Improvement	
	EDU518	Methods & Practicums for Mid/Sec/Comm. Education	1
	OR		
	EDU313	Methods & Practicums for Mid/Sec/Comm. Education	
c. Assessment, Student Data, and Data-Based Decision-Making	EDU575	Content Planning, Delivery and Assessment	1
	OR		
	EDU271	Content Planning, Delivery and Assessment	
	OR		
	EDU547	Curriculum Design, Assessment and Improvement	
	EDU597	The Instructional Process	1

d. Strategies for Content Literacy	EDU568 OR EDU268 OR EDU541  EDU550	Exploration of Learner Development OR Introduction to Learner Development OR Frameworks for Learning  Reading & Writing in Content Area	.5    1
e. Critical Thinking and Problem Solving	EDU568 OR EDU268 OR EDU541  EDU597	Exploration of Learner Development OR Introduction to Learner Development OR Frameworks for Learning  The Instructional Process	1    1
f. English Language Learning	EDU572 OR EDU270	Exploration of Learner Diversity OR Introduction to Learner Diversity	.5
<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	PSY200	Developmental Psychology	3
b. Psychology/Education of the Exceptional Child	EDU572 OR EDU270	Exploration of Learner Diversity OR Introduction to Learner Diversity	1
c. Differentiated Learning	EDU572 OR EDU270  EDU518  OR EDI313	Exploration of Learner Diversity OR Introduction to Learner Diversity  Methods & Practicums for Mid/Sec/Comm. Education OR Methods & Practicums for Mid/Sec/Comm. Education	.5    .5
d. Classroom Management	EDU500	Classroom/Behavior Management Techniques	3
e. Cultural Diversity	EDU572 OR EDU270  EDU518  OR EDU313	Exploration of Learner Diversity OR Introduction to Learner Diversity  Methods & Practicums for Mid/Sec/Comm. Education OR Methods & Practicums for Mid/Sec/Comm. Education	.5    .5
f. Educational Psychology	EDU568 OR EDU268 OR EDU541	Exploration of Learner Development OR Introduction to Learner Development OR Frameworks for Learning	1
<b>3. Schools and the Teaching Profession</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Semester Hours</b>
a. Consultation and Collaboration	EDU568 OR EDU268 OR EDU541  EDU572 OR EDU270 OR EDU586	Exploration of Learner Development OR Introduction of Learner Development OR Frameworks for Learning  Exploration of Learner Diversity OR Introduction to Learner Diversity OR Studies in Disabilities and Exceptionality	.5    .5

b. Legal/Ethical Aspects of Teaching	EDU569 OR EDU269 OR EDU531	Critical Skills in Teaching Profession w/Field Experience OR Critical Skills in Teaching Profession w/Field Experience OR The Contemporary Classroom	1
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**4. Secondary Literacy (Minimum of six semester hours)**

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDU550 EDU549	Reading and Writing Across Curriculum Foundations of Reading Instruction	2 3
b. Instructional Interventions for Students with Reading Deficits	EDU553	Assessment and Teaching Students w/Reading Difficulties	3
<b>Professional Requirements - Total Semester Hours</b>			<b>31</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)	EDU569 OR EDU269 OR EDU531	Critical Skills in Teaching Profession w/Field Experience OR Critical Skills in Teaching Profession w/Field Experience OR The Contemporary Classroom	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDU518 OR EDU313	Methods & Practicum for Mid/Sec/Comm. Education OR Methods & Practicum for Mid/Sec/Comm. Education	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDU451	Student Teaching at Secondary Level	10
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>12</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)	BIO203	Science and Society	3
2. Biology Coursework – Minimum of 20 semester hours which must include:			
a. Cell Biology	BIO318	Cell and Molecular Biology	3
b. Plant Form and Function	BIO112	General Biology I w/Lab	3
c. Animal Form and Function	BIO114	General Biology II w/Lab	3
d. Genetics	BIO212	Genetics	3
e. Evolution	BIO320	Evolutionary Biology	3
f. Biology Electives	BIO207 OR BIO220 OR BIO222 OR BIO250 OR BIO260 OR BIO306	Plant Biology OR Anatomy and Physiology I OR Anatomy and Physiology II OR Microbiology OR Comparative Anatomy OR Kinesiology and Biomechanics	4 4 4 4 3 3
3. Additional Science Coursework – Minimum of 12 semester hours which must include:			

a. Chemistry	CHM128	General, Organic and Biological Chemistry w/Lab	4
b. Physics	PHY208	College Physics I w/Lab	4
c. Earth Science	PHY108	Introduction to Physical Science w/Lab	4
d. Environmental Science	BIO271	Field Ecology	4
<b>Content Knowledge Area - Total Semester Hours</b>			<b>38</b>

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