



MIDDLE SCHOOL EDUCATION, GRADES 5-9 Science

EDUCATOR PREPARATION PROGRAM NAME MARYVILLE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 041639
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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 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 45 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDUC 241	Fundamentals of Secondary Schools	1
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 441/542	Teaching Science Methods: Secondary	2
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 241	Fundamentals of Secondary Schools	.5
d. Strategies for Content Literacy	EDUC 321	Literacy Across the Academic Disciplines	.5
e. Critical Thinking and Problem Solving	EDUC 241	Fundamentals of Secondary Schools	.5
f. English Language Learning	EDUC 241 EDUC 441/542	Fundamentals of Secondary Schools Teaching Science Methods: Secondary	.5 .5

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	Two of the following EDUC 309 EDUC 313/513 PSYC 254	Child Dev. & Learning Adolescent Development and Learning Human Development through the Life Span	1.5 1.5
b. Psychology/Education of the Exceptional Child	EDUC 352/552	Ed. Psych. of the Exceptional Child	2
c. Differentiated Learning	EDUC 201 EDUC 352/552 EDUC 441/542	School & Society Ed. Psych. of the Exceptional Child Teaching Science Methods: Secondary	.5 1 .5
d. Classroom Management	EDUC 315/515	Ed. Developmental Psych: Learn & Mgt.	2
e. Cultural Diversity	EDUC 201	School and Society	1
f. Educational Psychology	EDUC 315/515 EDUC 313/513	Ed. Developmental Psych: Learn & Mgt. Adolescent Development and Learning	1 1

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC 201 EDUC 404	School & Society Professional Seminar	.5 1
b. Legal/Ethical Aspects of Teaching	EDUC 201 EDUC 404	School & Society Professional Seminar	.5 1
c. Middle School Philosophy and Organization	EDUC 313/513	Adolescent Development & Learning	.5

4. Middle School Literacy (Minimum of six semester hours)

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 321/521	Literacy Across the Academic Disciplines	3
b. Instructional Interventions for Students with Reading Deficits	EDUC 361/561	Instructional Interventions in Reading	3

5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)

	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science	PHYS 103 or PHYS 153	General Physics I or Calculus Based Physics I	3
	SCI 309, SCI 386, PHYS 105, SCI 222, SCI 132 or SCI 301	Geology, Geology of MO, Astronomy, Meteorology, Energy in our World or Physical Geography	3
	BIOL 117	General Biology I	3
	BIOL 118	General Biology II	3
	CHEM 103	General Chemistry I	3
	Three of the Following: SCI 131 SCI 132 SCI 120 SCI 140 SCI 201H, SCI 201H, SCI 203H, SCI 204H, SCI 206H, SCI 207H, SCI 208H, SCI 222, SCI 250, SCI 301, SCI 309, SCI 313, SCI 326, SCI 337, SCI 342, or SCI 386 SUST 101 SUST 150 SUST 201 SUST 350 BIO 101 BIO 102 BIO 220 BIO 260 BIO 270	Nutrition Energy in Our World Physics of Waves History & Science of Science Understanding the Universe, Global Warming, Environmental Issues in Science, Aides: Nat, SOC, Polit. His of a Diseas., The Physics of Star Track, Biomedical Politics, Global Infections, Meteorology, Computational Science, Physical Geography, Geology, Human/Natural History of St. Louis, Historical GOG of North America, Intro Geographic Info Systems, Epidemiology, or Geology of Missouri Intro to Sustainability Sust. Exploration Seminar Environmental Science and Health Sustainability Expedition A & P I A & P II Exercise Science Genetics Evolution	9
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			51
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 200 or EDUC 240	Practicum in School & Society or Practicum in Fundamentals of Secondary Schools	2

2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC 320, EDUC 360 or EDUC 440	Practicum in Literacy Across the Academic Disciplines, Practicum in Instr. Interventions in Reading or Setting up School Experience plus Practicum in Teaching Science Methods: Secondary	2
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 400	Student Teaching	8
Field and Clinical Experiences - Total Semester Hours			12

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