



MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9 – POST-BACCALAUREATE

EDUCATOR PREPARATION PROGRAM NAME NORTHWEST MISSOURI STATE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 118118
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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 45 semester hours)

1. Content Planning and Delivery			
	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	28-582	Methods in Middle School Science	1
b. Instructional Strategies and Techniques in Content Area Specialty	28-582	Methods in Middle School Science	1
c. Assessment, Student Data, and Data-Based Decision-Making	28-582	Methods in Middle School Science	1
d. Strategies for Content Literacy	62-553 or 62-353	Reading in the Secondary School or Reading in the Content Area	
e. Critical Thinking and Problem Solving	61-615 61-617 Or 61-650	Organizing for Learning Organizing for Learning II Or Improvement of Teaching	1 1.5 .5
f. English Language Learning	61-521 or 61-650 or 61-569	Classroom Management Seminar or Improvement of Teaching or Multiculturalism in Education	.5 .75
2. Individual Student Needs			
	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	08-322 or 61-614	Adolescent Psychology or Introduction to Teaching	2 or 1
b. Psychology/Education of the Exceptional Child	62-371 or 62-641 or 61-616	Introduction to Special Education or Education of the Exceptional Child or Teaching Strategies	1 or 2 or 2
c. Differentiated Learning	62-371 or 62-641 or 61-614 61-569	Introduction to Special Education or Education of Exceptional Child or Introduction to Teaching Multiculturalism	.5 or 1 or 1 .75
d. Classroom Management	61-520 or 61-650 or 61-615 AND 61-617	Techniques of Classroom Management and Discipline or Improvement of Teaching or Organizing for Learning AND Organizing for Learning II	1.5 Or .5 or 1 and 1
e. Cultural Diversity	61-569	Multiculturalism in Education	1.5
f. Educational Psychology	61-614 OR 08-303 OR 08-299	Introduction to Teaching OR Educational Psychology OR Educational Psychology	1 or 3

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	61-520 or 61-650 or 61-615	Techniques of Classroom Management and Discipline or Improvement of Teaching or Organizing for Learning	.5 1
b. Legal/Ethical Aspects of Teaching	61-521 or 61-650 or 61-617	Classroom Management Seminar or Improvement of Teaching or Organizing for Learning II	.5
c. Middle School Philosophy and Organization	61-570	The Middle School	2
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	62-553 OR 62-353	Reading Program in Secondary School OR Teaching Reading in the Content Areas	3
b. Instructional Interventions for Students with Reading Deficits	62-654 Or 62-601 Or 61-649	Analysis and Correction of Reading Difficulties or Literacy-Based Assessment and Analysis or Issues in Education	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	04-106/107 Or 04-102/103 24-114/115 40-102/103 25-110/111 25-112/113 27-114/115 27-110/111 28-550 04-112/113 04-114/115 40-102/103 25-110/111 25-112/113 27-212 24-116/117 40-122/123 04-383 24-370 40-389	Science Core (23 hrs) Biological Science Principles of Biology / Principles of Biology laboratory or General Biology/ laboratory Chemistry General Chemistry I/ laboratory Physical Science or Physics Physical Science/ laboratory OR General Physics I/ laboratory OR General Physics II /laboratory Earth Science General Earth Science/ laboratory or General Geology Sciences History of Science and Technology Select one from the following : General Botany and Laboratory General Zoology and Laboratory The Physical Sciences and Laboratory General Physics I and Laboratory General Physics II and Laboratory Historical Geology General Chemistry II and Laboratory Descriptive Astronomy Select one content area practicum from the following (1). Content should be based on content area from the selection above: Biology Practicum Chemistry Practicum Practicum in Physical Science	4 4 4 4 3 4-5 1

	27-305 28-400	Practicum in Teaching Laboratory * Special Offering (mixed Practicum)	
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			45
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)	61-362 or 61-614	Practicum in Middle School II or Introduction to Teaching	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	61-561 or 61-651 or 61-616	Middle School Curriculum Methods and Practicum or Seminar and Practicum in Teaching or Teaching Strategies	1 or 3 or 1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	61-474 or 61-690	Directed Teaching or Internship in Teaching	8 8
Field and Clinical Experiences - Total Semester Hours			10-13

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