



MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9

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	62-218	Designing Integrated Curriculum (Part II)	
b. Instructional Strategies and Techniques in Content Area Specialty	62-215 62-218 28-582	Designing Integrated Curriculum (Part I) Designing Integrated Curriculum (Part II) Methods in Middle School Science	. 3
c. Assessment, Student Data, and Data-Based Decision-Making	28-582 62-570	Methods in Middle School Science The Middle School	 1
d. Strategies for Content Literacy	62-230	Adolescent Literacy	
e. Critical Thinking and Problem Solving	62-118 62-119 62-321	Teaching is Communication Professional Learning Community III Designing Intervention	1 .5
f. English Language Learning	62-117 62-118 61-569 62-321	Inclusive Classrooms and Positive Learning Environments Teaching is Communication Multiculturalism in Education Designing Intervention	 1.5
2. Individual Student Needs			
	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	08-322 or 08-317	Adolescent Psychology or Psychology of Early Adolescence	2
b. Psychology/Education of the Exceptional Child	62-117 62-118 62-119 62-321	Inclusive Classrooms and Positive Learning Environments Teaching is Communication Professional Learning Communities III Designing Intervention and Assessment	1 1
c. Differentiated Learning	62-119 62-321	Professional Learning Community II Designing Intervention	 .5
d. Classroom Management	62-117 62-118 62-119 61-270	Inclusive Classrooms and Positive Learning Environments Teaching is Communication Professional Learning Communities III Classroom Management Strategies	 1

e. Cultural Diversity	62-117 62-118 61-569	Inclusive Classrooms and Positive Learning Environments Teaching is Communication Multiculturalism in Education	1.5
f. Educational Psychology	08-299	Educational Psychology	3
3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	62-117 62-118 62-119 61/62-325 61-432	Inclusive Classrooms and Positive Learning Environments Teaching is Communication Professional Learning Community III Professional Learning Communities VI Professional Education Capstone	1
b. Legal/Ethical Aspects of Teaching	62-118 62-119 61-432	Teaching is Communication Professional Learning Community III Professional Education Capstone	1
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	62-119 62-215 62-217 62-230 62-218 62-219	Professional Learning Community III Designing Integrated Curriculum (Part I) Professional Learning Community IV Adolescent Literacy Designing Integrated Curriculum (Part II) Professional Learning Communities V	1 1 1 1 1
b. Instructional Interventions for Students with Reading Deficits	62-322 or 62-323 61/62-325	Theory and Technique of Literacy Assessment and Intervention Professional Learning Communities VI	1 1
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	Biological Science Principles of Biology / Principles of Biology laboratory or General Biology/ laboratory	4
	24-114/115	Chemistry General Chemistry I/ laboratory	4
	40-102/103 25-110/111 25-112/113	Physical Science or Physics Physical Science/ laboratory OR General Physics I/ laboratory OR General Physics II /laboratory	4
	27-114/115	Earth Science General Earth Science/ laboratory or	4
	27-110/111	General Geology	
	28-550	Sciences History of Science and Technology	3
	04-112/113 04-114/115 40-102/103 25-110/111 25-112/113 27-212 24-116/117 40-122/123	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	4-5
	04-383 24-370 40-389 27-305 28-400	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 Practicum in Teaching Laboratory * Special Offering (mixed Practicum)	1
	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)	62-218 62-215 62-230 61-270 62-117 62-118 62-119	Designing Integrated Curriculum in Middle and Secondary School Designing Integrated Middle and Secondary Curriculum 1 Adolescent Literacy Classroom Management Strategies Inclusive Classrooms and Positive Learning Environments Teaching is Communication Professional Learning Community III	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	61-511 or 61-430	Middle School Curriculum Methods and Practicum or Middle School Practicum	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	61-474	Directed Student Teaching	8
Field and Clinical Experiences - Total Semester Hours			10

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