



Northwest Missouri State University  
 Department of Natural Sciences  
 Middle School Science Education – Comprehensive Major – No Minor Required  
 Bachelor of Science

Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
62-107	Ecology and Developmental Foundations of Education		2	Corequisites: Prof Learning Comm I
62-113	Prof Learning Comm I		1	Corequisites: Ecology and Developmental Foundations of Education
	Math		3	
24-114/115	General Chemistry I & Lab		4	Enrolling in General Chemistry 112/113 should be considered prior to General Chemistry I if a rigorous high school Chemistry background is absent. Similar considerations without proficiency in high school Algebra II.
77-101	University Seminar		1	
10-111	Composition		3	
29-102	Fundamentals of Oral Communications		3	Could be in the summer.
<b>Total Hours</b>			<b>17</b>	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
62-108	Introduction to Curriculum, Instruction and Assessment		2	Corequisites: Pro Learning Comm II
62-116	Pro Learning Comm II		1	Corequisites: Introduction to Curriculum, Instruction and Assessment
04-106/107	Principles of Biology & Lab		4	
10-112	Composition II	Composition I	3	
	Digital Literacy		3	
<b>Total Hours</b>			<b>16</b>	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
62-109	Positive Communication in an Inclusive Classroom		2	Corequisites: Prof Learning Comm III
62-119	Prof Learning Comm III		1	Corequisites: Positive Communication in an Inclusive Classroom
40-102/103 OR 25-110/111	Phys Sci: Integ Approach & Lab OR General Physics I & Lab		4	
08-299	Educational Psy		3	Could be in the summer.
	Humanities		3	
<b>Total Hours</b>			<b>13</b>	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes

**1** = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.

**2** = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.

**3** = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

**4** = a milestone courses taken in final year to complete degree requirements.



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61301	Dev Found of Adolescent & Content Literacy	Phase I courses passed with a 'C' or better.	2	Corequisites: Prof Learning Comm Mid/Sec IV
61301	Prof Learning Comm Mid/Sec IV	Phase I courses passed with a 'C' or better.	1	Corequisites: Dev Found of Adolescent & Content Literacy;
27-114/115	General Earth Science & Lab		4	
	Civics: History		3	
	Humanities		3	
<b>Total Hours</b>			<b>13</b>	

Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
61311	Designing Integrated MS & Secondary Curriculum	Phase I courses passed with a 'C' or better.	1	Corequisites: Classroom and Behavior Management Strategies; Professional Learning Community for MS & Secondary V
61310	Classroom and Behavior Management Strategies	Phase I courses passed with a 'C' or better.	1	Corequisites: Designing Integrated MS & Secondary Curriculum; Professional Learning Community for MS & Secondary V
61312	Professional Learning Community for MS & Secondary V	Phase I courses passed with a 'C' or better.	1	Corequisites: Designing Integrated MS & Secondary Curriculum; Classroom and Behavior Management Strategies
40-122/123	Descriptive Astronomy & Lab		4	
	Social Science		3	
	Fine Arts		3	
<b>Total Hours</b>			<b>13</b>	

Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
61324	Intervention and Assessment: Literacy, Special Populations, & English Language	Phase I courses passed with a 'C' or better.	2	Corequisites: Professional Learning Community VI; Philo & Organization of MS
61-325	Professional Learning Community VI	Phase I courses passed with a 'C' or better.	1	Corequisites: Intervention and Assessment: Literacy, Special Populations, & English Language ; Philo & Organization of MS
61-570	The Middle School	Phase I courses passed with a 'C' or better.	3	Corequisites: Intervention and Assessment: Literacy, Special Populations, & English Language; Professional Learning Community VI;

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28-550	History of Science & Technology	15 hours of science credit.	3	SPRING ONLY course
	Elective Science Content		4	
	Content Practicum		1	Based on elective science content course.
<b>Total Hours</b>			<b>14</b>	
<b>Term 7</b>	<b>Course Title/Description</b>	<b>Pre-requisite</b>	<b>Cr Hrs</b>	<b>Milestone/Notes</b>
61-430	Middle School Practicum	Phase II courses passed with a 'C' or better. Admitted to Teacher Education.	1	
61-569	Multiculturalism in Ed	Admitted to Teacher Education.	3	
08-317	Psychology of Early Adolescence	Educational Psy	2	
28-582	Methods Middle School Science	Admitted to Teacher Education.	3	FALL ONLY course
34-102	Into to American Government		3	
10-220	Intro to Literature		3	Could be in the summer.
<b>Total Hours</b>			<b>15</b>	
<b>Term 8</b>	<b>Course Title/Description</b>	<b>Pre-requisite</b>	<b>Cr Hrs</b>	<b>Milestone/Notes</b>
61-474	Directed Teaching Middle School	Maintain GPA; Complete MoCA	10	Corequisites: Professional Capstone
62-432	Professional Capstone	Maintain GPA; Complete MoCA	2	Corequisites: Directed Teaching in the Secondary School
<b>Total Hours</b>			<b>12</b>	

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-  = a milestone courses taken in final year to complete degree requirements.