



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
17-118	Precalculus Algebra		3	
04-106/107	Principles of Biology & Lab		4	
27-110/111 or 27-114/115	General Geology & Lab General Earth Science & Lab		4	
77-101	University Seminar		1	
10-111	Composition		3	
Total Hours			18	
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
24-114/115	General Chemistry I & Lab		4	
27-212	Historical Geology	General Earth Science & Lab	4	SPRING ONLY course
10-112	Composition II	Composition I	3	
	Fine Art		3	Could be in the summer.
Total Hours			17	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
61-371	Intro to Special Ed		3	
27-220 Or 27-335	Mineralogy Physical Oceanography	General Geology & Lab or General Earth Science & Lab; General Chemistry I & Lab	4	SPRING ONLY course EVEN YRS
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
10-220	Intro to Literature		3	
29-102	Fundamentals of Oral Communications		3	Could be in the summer.
Total Hours			18	

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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.





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

Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
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;
08-299	Educational Psy		3	Could be in the summer.
27-420 or 27-540	Petrology Paleontology	Mineralogy Historical Geology	4	SPRING ONLY course
	Civics: History		3	
	Social Science		3	Could be in the summer.
Total Hours			17	
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
27-305	Pract in Teach Lab		1	
40-122/123	Descriptive Astronomy & Lab		4	
34-102	Into to American Government		3	
Total Hours			14	

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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;
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
28-550	History of Science & Techonlogy	15 hours of science credit.	3	SPRING ONLY course
32-360 Or 32-361	Dynamic & Synoptic Meteor Climatology	General Geology & Lab or General Earth Science & Lab;	3	SPRING ONLY course EVEN YRS
25-110/25111	General Phsyics I & Lab		4	
	Humanitites		3	
Total Hours			16	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
61-431	Secondary 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	
08-322	Adolescent Psychology	Educational Psy	2	
28-580	Methods Secondary School Science	Admitted to Teacher Education.	3	FALL ONLY course
27-360	Environmental Geology	General Geology & Lab or General Earth Science & Lab	4	FALL ONLY course
	Humanitites		3	
	Digital Literacy		3	
Total Hours			16	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
61-472	Directed Teaching in the Secondary 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
Total Hours			12	

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