ENVIRONMENTAL SCIENCE - BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

The environmental science major is a multidisciplinary program based on a strong general science curriculum and an environmental curriculum that focuses on environmental problems and solutions. Although administered by the Department of Plant and Environmental Sciences, a multidisciplinary advisory committee recommends curriculum and other changes to the program. Graduates are very competitive for careers in industry and government and have excellent preparation for graduate programs in a variety of fields. A grade of C- or better must be earned in the Basic Background and Core Requirements.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits		
General Education				
Area I: Communication	-	10		
English Compositio	n - Level 1 ¹			
English Compositio				
Oral Communicatio	n ¹			
Area II: Mathematics				
MATH 1511G	Calculus and Analytic Geometry I ²	4		
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences				
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors			
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors			
Area IV: Social & B	ehavioral Sciences Course (3 credits) ¹			
Area V: Humanities ¹		3		
Area VI: Creative and F	ine Arts ¹	3		
General Education Elec	ctive ³			
GEOL 1110G	Physical Geology	4		
Viewing A Wider Worl	d ⁴	6		
Departmental/College	e Requirements			
Basic Science and Mat General Education Elec	h Requirements (42-43 credits including Area III and stive above)			
BIOL 2110G	Principles of Biology. Cellular and Molecular Biology	3		
BIOL 2610G	Principles of Biology: Biodiversity, Ecology, and Evolution (note: BIOL 2610L is NOT required for ES major)	3		
BIOL 311	General Microbiology	3		
A ST 311	Statistical Applications	3		
MATH 1521G	Calculus and Analytic Geometry II	4		
or MATH 1430G	Applications of Calculus I			
PHYS 1310G	Calculus -Based Physics I (note: the lab is NOT required for ES major)	3		
SOIL 2110 & 2110L	Introduction to Soil Science and Introduction to Soil Science Laboratory	4		

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ENVS 46	52	Sampling and Analysis of Environmental	3
ENVS 46	50	Introduction to Air Pollution	3
ENVS 45	52	Geohydrology	4
ENVS 44	47	Seminar	1
ENVS 39	91	Internship	3
ENVS 37	70	Environmental Soil Science	3
ENVS 36	51	Basic Toxicology	3
ENVS 31	12	Emergency Response to Hazardous Material Incidents	2
ENVS 30)1	Principles of Ecology	3
ENVS 21 & 2111L		Environmental Engineering and Science and Environmental Science Laboratory	4
ENVS 11	10G	Environmental Science I	4
Environn	nental Science	Core Requirements	
CHEM	VI 313	Organic Chemistry I	
CHEN	M 2120	Integrated Organic Chemistry and Biochemistry (CHEM 2120 must be taken with associated 1-cr CHEM lab)	
ANSO	C 1170	Introduction to Animal Metabolism	
Select o	ne of the follow	ving:	3-4

See the General Education (https://catalogs.nmsu.edu/nmsu/generaleducation-viewing-wider-world/) Section of the catalog for a full list of courses

- ² MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take prerequisites first.
- ³ MATH 1511G, ENVS 1110G, and GEOL 1110G are all required for this major and will satisfy this category depending on which course is completed first.
- ⁴ See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/ general-education-viewing-wider-world/#viewingawiderworldtext) Section of the catalog for a full list of courses; one course may be in the College of ACES but cannot be taught or cross-listed with AGRO, HORT, ENVS, SOIL, or GENE.
- ⁵ Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-

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case basis and students should discuss elective requirements with their advisor.