NATURAL RESOURCES (AS)

Associate of Science

Transfer Program
Interest Areas:
Science, Tech., Engr. and Math

This program provides required coursework for students interested in pursuing a career in natural resource management. The program acquaints students with the physical-biological and social sciences as well as the humanities. The curriculum provides a basis of general education and scientific-professional courses addressing the use of forests, rangelands, and related natural resources. Completion of the following courses results in an associate's degree with an area of emphasis in Natural Resources. The required coursework normally fulfills the first half of a bachelor's degree in natural resource management for a variety of disciplines including Forestry, Wildlife, Fisheries, Range Management, and Conservation Biology. Course selection should be tailored to match the requirements defined by the intended transfer institution.

Contact Information:
Natural Sciences Division
Meyer Health and Sciences Building, Room 250
Phone: (208) 769-3495
Program Website (https://www.nic.edu/programs/forestrywildliferange-management/)

Code	Title	Credits
General Education		
GEM 1 - Written Communication		6
GEM 2 - Oral Communication		3
GEM 3 - Mathematical Ways of Knowing [1]		0
GEM 4 - Scientific Ways of Knowing [1]		0
GEM 5 - Humanistic and Artistic Ways of Knowing		6
GEM 6 - Social and Behavioral Ways of Knowing [1]		3
GEM 7W - Wellness		1-3
Select one of the following:		3
GEM 7 - Institutionally Designated		
GEM 7I - Institutionally Designated		
Program Requirements		
BIOL-101	Introduction to Natural Resources	1
BIOL-114	Organisms and Environments	4
or BIOL-115	Introduction to Life Sciences	
BIOL-221	Forest Ecology	4
or BIOL-231	General Ecology	
CHEM-101	Introduction to Chemistry	4-5
or CHEM-111	General Chemistry I	
ECON-202	Principles of Microeconomics	3
MATH-143	Precalculus I: Algebra	3-4
or MATH-160	Survey of Calculus	
or MATH-170	Calculus I	
MATH-253	Statistical Methods	3
Program Electives [2]		**16**
BACT-250	General Microbiology	
BIOL-114	Organisms and Environments	
BIOL-115	Introduction to Life Sciences	
BIOL-251	Principles of Range Resources Management	
BIOL-290	Principles of Wildlife Biology	
BTNY-203	General Botany	
BTNY-241	Systematic Botany	
CHEM-111	General Chemistry I	
CHEM-112	Principles of General College Chemistry II	
CHEM-275	Carbon Compounds	
CHEM-277	Organic Chemistry I	
CHEM-278	Organic Chemistry I Lab	
CHEM-287	Organic Chemistry II	
CHEM-288	Organic Chemistry II Lab	
GEOG-100	Physical Geography	
GEOL-101	Physical Geology	
GIST-271	Introduction to Geographic Information Science and Technology Using GIS (Geographic Information Systems)	
PHYS-111	General Physics I	
PHYS-112	General Physics II	
ZOOL-202	General Zoology	
Total Credits		**60-64**

[1] This General Education Requirement is met by the Program Requirements.
[2] Select courses based on major and/or intended transfer institution.

Course Key

GEM | AAS Institutionally Designated | Gateway | Milestone

Upon completion of the program, students will be able to:

1. Describe ecological processes that influence organisms and ecosystem change and how these impact the future sustainability of natural resources.
2. Describe how the use, management, and allocation of natural resources are impacted by legislation, economic, biological, and societal factors.
3. Communicate effectively, orally, and in writing with audiences of diverse backgrounds the management of natural resources.