NATURAL RESOURCES TECHNOLOGY: WILDLIFE RESOURCES - AAS DEGREE

Overview

See Department website and program contacts here (https://www.mhcc.edu/education-options/degrees-certificates/natural-resources-technology/wildlife-resources/index/)

The **Natural Resources Technology: Wildlife Resources (AAS) degree** is designed for students seeking careers in wildlife management, habitat restoration, conservation, and environmental research. The curriculum combines natural resource science with hands-on field training to prepare students for employment in a variety of outdoor and environmental settings.

Coursework includes topics such as **wildlife habitat assessment, stream and wildlife surveys, restoration practices, field data collection, and environmental resource management**. Students develop practical technical skills through outdoor laboratory experiences and field-based learning.

The Wildlife Resources program is workforce-focused and prepares students for careers with local, state, and federal agencies, as well as private industry and environmental organizations involved in wildlife and natural resource management.

The Natural Resources Technology: Wildlife Resources program is accredited by the Society of American Foresters (SAF) (https://forestry.org/) under its Natural Resources and Ecosystem Management (NREM) standards.

Students are encouraged to work with an advisor (https://www.mhcc.edu/student-resources/academic-advising/) to ensure appropriate course selection and program planning based on their educational background and career goals.

Refer to the tabs above for additional information about:

- **Education Plan** – provides a sample term-by-term sequence of courses
- **Career Info** – includes information on potential occupations, employment trends, and earnings

Program Learning Objectives

At the completion of this program, students should be able to:

- Perform relevant field tasks required of natural resource technicians
- Use a broad range of technological tools to research, document, map, measure, record and analyze data relevant to natural resources
- Demonstrate a practical understanding of Pacific Northwest forest and wetland ecosystems
- Demonstrate knowledge of social influences on ecosystem management
- Demonstrate professional skills needed for successful job performance

Education Plan

This sample Education Plan illustrates one possible course sequence. Students should consult an advisor (https://www.mhcc.edu/student-resources/academic-advising/) to create a personalized plan.

Note: Students who placed into MTH060 Beginning Algebra I must complete it during their first term in the program.

General education courses (such as math, writing, health, etc.) can be taken during any term, or before starting the program.

First Quarter		
Fall		**Credits**
F111	Introduction to Natural Resources	3
F141	Tree and Shrub Identification (Dendrology)	3
NR160	Wildland Fire	3
NR150	Career Development in Natural Resources	1
Select one of the following:		3
HPE285OL	Wilderness Survival	
HPE295	Health and Fitness for Life	
other Health / Physical Education course		
	Credits	**13**
Second Quarter		
Winter		
FT122	Forest Measurements I	5
FW251	Principles of Wildlife Conservation	3
MTH065	Beginning Algebra II (or higher, excluding MTH098) [2]	4
WR121Z	Composition I	4
BT210ZEA	Excel - Level I (if needed)	0-1
	Credits	**16-17**
Third Quarter		
Spring		
FT221	Aerial Photo Interpretation, GPS and sUAS	4
FW253	Field Ornithology	4
MTH084	Applied Trigonometry with Modeling [2]	1
NR140	Introduction to Forest Soils	3
NR230	Forest Botany	3
	Credits	**15**
Fourth Quarter		
Summer		
Select a course or combination of courses to complete a minimum of 2 credits:		2
WE280NRB or WE280NRA or WE280NRF or WE280NRL	Co-op Ed: Natural Resources or Coop Ed - Natural Resources or Co-op Ed: Natural Resources or Co-op Ed: Natural Resources	
	Credits	**2**
Fifth Quarter		
Fall		
F200	Introduction to Forest Surveying	4
F240	Natural Resources Ecology	4

FW252	Mammals: Biology and Techniques	4
WR227Z	Technical Writing	4
	Credits	**16**
Sixth Quarter		
Winter		
BI132	Introduction to Animal Behavior	4
FT228	Introduction to Geographic Information Systems	3
NR212	Current Issues/Forest Resources	1
NR242	Watershed Processes	3
NR244	Applied Silviculture I: Reforestation	3
	Credits	**14**
Seventh Quarter		
Spring		
FT235	Outdoor Recreation	3
NR260	Field Projects	3
Human Relations requirement (https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human) [3]		3-4
Related Elective (p. 2)		6-8
	Credits	**15-18**
	Total Credits	**91-95**

1. Students are expected to use Excel spreadsheets in their NRT courses. Those unfamiliar with spreadsheets are advised to enroll in an Excel course before first or second quarter.
2. Successful completion of MTH095 Intermediate Algebra with Right Triangle Trigonometry or higher (excluding MTH098) will replace both MTH065 Beginning Algebra II and MTH084 Applied Trigonometry with Modeling.
3. PSY101 Psychology of Human Relations, HUM202 Ethics in the Workplace or BA285 Leadership and Human Relations are recommended. See adviser for transferability information.

Related Electives to reach 90 credits, if needed:

Code	Title	Credits
MTH095	Intermediate Algebra with Right Triangle Trigonometry (or higher)	5
Modern Language		

Any courses with the following prefixes: ANTH, BA, BI, BT, CH, CIS, COMM, FW, ET, G, GEOG, NR and SHS.

Transfer Schools

- Oregon State University (https://www.forestry.oregonstate.edu/)

Career Information

Explore potential careers related to this program, including typical job roles, employment trends, and projected growth. This information can help you better understand how your education may align with future career opportunities.