

NATURAL RESOURCES TECHNOLOGY: WILDLIFE RESOURCES - DEGREE

Associate of Applied Science Degree Program | mhcc.edu/NRT (<http://mhcc.edu/NRT/>)

Faculty Advisers

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This program prepares students to work in wildlife resources management and research. Field technicians may work in diverse areas such as: conducting wildlife and stream surveys; assessing wildlife habitat; and prescribing restoration activities.

Courses involve outdoor labs, which help prepare students for jobs in local, state, and federal agencies, and in private industry.

Students must select Natural Resources as their major in order to enroll in the courses below. To change your major, **stop by** the Student Services Hub in room AC2253, **email** the Admissions & Records office at AR@mhcc.edu, or **call** 503-491-7393.

Program Outcomes

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

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

For the most part, courses that fulfill general education requirements can be taken in any term.

First Quarter

Fall		Credits
F111	Introduction to Natural Resources	3
F141	Tree and Shrub Identification	3
NR160	Wildland Fire	3
NR180A	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 and GPS	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		
WE280NR_	Cooperative Education Internship	2
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.

Transfer Schools

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

Exploring **wildlife resources** as your major? Learn more with MHCC's Career Coach (<https://mhcc.lightcastcc.com/programs/natural-resources-technology-wildlife-resources-degree/209250/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>), which covers: skills needed for each career, wages, employment rates, and live job postings in the Greater Multnomah County Area.

Careers related to wildlife resources:

- Park Naturalists (<https://mhcc.lightcastcc.com/careers/park-naturalist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Range Managers (<https://mhcc.lightcastcc.com/careers/range-manager/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Conservation Scientists (<https://mhcc.lightcastcc.com/careers/conservation-scientist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Fish and Game Wardens (<https://mhcc.lightcastcc.com/careers/fish-and-game-warden/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Zoologists and Wildlife Biologists (<https://mhcc.lightcastcc.com/careers/zoologist-and-wildlife-biologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)