

# NATURAL RESOURCES TECHNOLOGY: WILDLIFE RESOURCES - DEGREE

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

## Faculty Advisers

**Jason Pinkerton:** 503-491-6941 | Room AC2593 |

[Jason.Pinkerton@mhcc.edu](mailto:Jason.Pinkerton@mhcc.edu) | Students with last name A-M

**Pualani Derman:** 503-491-7322 | Room AC2591

[Pualani.Derman@mhcc.edu](mailto:Pualani.Derman@mhcc.edu) | Students with last name N-Z

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.

## 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.

*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
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		
<b>Credits</b>		<b>13</b>

### Second Quarter

Winter		
FT122	Forest Measurements I	5
FW251	Principles of Wildlife Conservation	3

MTH065	Beginning Algebra II ★ (or higher, excluding MTH098) <sup>2</sup>	4
WR121Z	Composition I ★	4
BT210ZEA	Excel - Level I (if needed)	0-1
<b>Credits</b>		<b>16-17</b>

### Third Quarter

#### Spring

FT221	Aerial Photo Interpretation and GPS	4
FW253	Field Ornithology	4
MTH084	Applied Trigonometry with Modeling <sup>2</sup>	1
NR140	Introduction to Forest Soils	3
NR230	Forest Botany	3
<b>Credits</b>		<b>15</b>

### Fourth Quarter

#### Summer

WE280NR_	Cooperative Education Internship	2
<b>Credits</b>		<b>2</b>

### Fifth Quarter

#### Fall

F200	Introduction to Forest Surveying	4
F240	Natural Resources Ecology	4
FW252	Mammals: Biology and Techniques	4
WR227Z	Technical Writing ★	4
<b>Credits</b>		<b>16</b>

### 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
<b>Credits</b>		<b>14</b>

### Seventh Quarter

#### Spring

FT235	Outdoor Recreation	3
NR260	Field Projects	3
Human Relations requirement ( <a href="https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human">https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human</a> ) <sup>3</sup>		3-4
Related Elective (p. 2)		6-8
<b>Credits</b>		<b>15-18</b>
<b>Total Credits</b>		<b>91-95</b>

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Human Relations requirement (<https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human>)

<sup>3</sup> 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/>)