

NATURAL RESOURCES TECHNOLOGY: FOREST RESOURCES - DEGREE

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

Faculty Advisers

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This program prepare students to work in forest resources management and research. Forest technicians may work in diverse areas such as: reforestation; mapping; plant inventory; outdoor recreation; timber appraisal; land surveying; harvesting; stream surveys; wildlife habitat enhancement; and wildfire suppression.

Courses involve outdoor labs, which help prepare students for jobs in local forests, parks, and natural areas. This program is accredited by the Society of American Foresters.

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 ecosystems
- Demonstrate knowledge of social influences on ecosystem management
- Demonstrate professional skills needed for successful job performance

Selected courses may be transferred to several four-year institutions in appropriate bachelor's degree programs. Check with the program adviser for current information. 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 (recommended)	

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
MTH084	Applied Trigonometry with Modeling ²	1
NR140	Introduction to Forest Soils	3
NR144	Forest Insects and Diseases	3
NR230	Forest Botany	3
Credits		14
Fourth Quarter		
Summer		
WE280NR_	Cooperative Education Internship	2
Credits		2
Fifth Quarter		
Fall		
F200	Introduction to Forest Surveying	4
F240	Natural Resources Ecology	4
FT222	Forest Measurements II	4
WR227Z	Technical Writing ★	4
Credits		16
Sixth Quarter		
Winter		
FT228	Introduction to Geographic Information Systems	3
NR212	Current Issues/Forest Resources	1
NR242	Watershed Processes	3
NR244	Applied Silviculture I: Reforestation	3
Human Relations requirement (https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human) ³		3-4
Credits		13-14
Seventh Quarter		
Spring		
FT235	Outdoor Recreation	3
NR238	Timber Harvesting and Products	5
NR246	Applied Silviculture II: Forest Stand Dynamics	3
Related Elective (p. 2)		6-8
Credits		17-19
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
NR260	Field Projects	3
MTH095	Intermediate Algebra with Right Triangle Trigonometry ★ (or higher)	5

Modern Languages

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

Transfer Schools

- Oregon State University (<http://www.forestry.oregonstate.edu>)
- Humboldt State University (<https://www.humboldt.edu/>)
- University of Idaho (<http://www.uidaho.edu/>)

Exploring **forest resources** as your major? Learn more with MHCC's Career Coach (<https://mhcc.lightcastcc.com/programs/natural-resources-technology-forest-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 forest resources:

- Foresters (<https://mhcc.lightcastcc.com/careers/forester/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Forest and Conservation Workers (<https://mhcc.lightcastcc.com/careers/forest-and-conservation-worker/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Forest and Conservation Technicians (<https://mhcc.lightcastcc.com/careers/forest-and-conservation-technician/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Park Naturalists (<https://mhcc.lightcastcc.com/careers/park-naturalist/?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>)
- Range Managers (<https://mhcc.lightcastcc.com/careers/range-manager/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)