

# NATURAL RESOURCES TECHNOLOGY - CERTIFICATE

## Overview

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

The **Natural Resources Technology certificate** is designed for students seeking foundational skills in natural resources, forestry, conservation, and environmental fieldwork. The curriculum includes the first-year coursework shared by the Forest Resources and Wildlife Resources degree programs and prepares students for employment or continued study in natural resource fields.

Coursework includes topics such as **natural resource management, conservation practices, environmental field techniques, and outdoor resource operations**. Students develop practical technical skills through hands-on and field-based learning experiences.

The Natural Resources Technology certificate is workforce-focused and may support careers in forestry, conservation, natural resource management, and environmental field operations. Students may also continue into the Forest Resources or Wildlife Resources (AAS) degree programs.

The Natural Resources Technology certificate 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 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 (recommended)	
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)	4
WR121Z	Composition I	4
<b>Credits</b>		<b>16</b>
Third Quarter		
Spring		
FT221	Aerial Photo Interpretation, GPS and sUAS	4
NR140	Introduction to Forest Soils	3
NR230	Forest Botany	3
NR144 or FW253	Forest Insects and Diseases <sup>1</sup> or Field Ornithology	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> )		3
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>45</b>

<sup>1</sup> Students who are considering continuing their studies in the **Forestry** program should select NR144 Forest Insects and Diseases. Students who plan to continue in the **Wildlife** program should select FW253 Field Ornithology.

## 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.