Degree Guide:

Natural Resources Certificate

Program
[Natural Resources (NATR)](#)
Degree Type
Professional Technical Certificate
Program Coordinator

Chris Morgan
cmorgan@pencol.edu

Program Description

The Peninsula College Natural Resources Certificate prepares students for jobs that support and sustain the natural environment. Classes focus on the integration of science, technology, and sustainable practices for natural resources management. Classes emphasize forest ecology and management, geographic information system (GIS) and forest mapping, silviculture, water quality, stream habitat monitoring, timber harvesting, forest road management, restoration ecology, fisheries, river restoration, fire science, and wildlife habitat management. The program includes outdoor learning in forests and waterways, lab sciences, classroom seminars, online course modules, and internships in workplace settings.

Program Length: 3 Quarters
Program Code: NRCNAC45

Career Opportunities and Earnings

For current employment and wage estimates, please visit and search for the relevant occupational term: bls.gov/oes.

Program Outcomes

When the Natural Resources program is completed the student will be able to:

- Perform basic tasks to maintain and improve the quality of a forest and the natural environment
- Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources
- Compile data pertaining to size, content, condition, and other characteristics of forest tracts
- Assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats
- Work in a team to develop solutions to managing natural resources

Program Prerequisites

Students entering this program should have good familiarity with computer software and hardware in the Windows or MAC environment. College-level skills in English and math (eligibility for courses numbered 100 or higher) are required before registering for the English, math, or applied math courses in this program. Students may need to complete prerequisite coursework.

Approximate Additional Costs

- Tuition and fees: $5,402.85 total based on 2024-25 [WA resident tuition rates](#) (additional fees may apply)
    - First quarter (15 credits): $1,800.95
    - Second quarter (15 credits): $1,800.95

◦ Third quarter (15 credits): $1,800.95

Sample Schedule

This sample schedule is provided as a guide for a full-time student starting in fall quarter whose goal is to earn a certificate. The typical student schedule is based on entering the program during the fall quarter, however some programs allow students to enter in the winter or spring as well. Since not all do, please confirm with an advisor whether this program must be started during a specific quarter or not.

First Quarter (Fall)

Catalog #	Course Title	Credits
AOS 104	Excel Basics	1
NATR 110	Intro to Natural Resources	5
NATR 115	Natural Ecosystems	5
NATR 180	Natural Resources GIS and Maps	4

Second Quarter (Winter)

Catalog #	Course Title	Credits
ENGL& 101 or ENGL& 235		5
NATR 130	Water Quality Stream Habitat Monitoring	3
NATR 135	Invasive Plant ID Prevention and Control	2
NATR 215 or NATR 250		4
NATR 220	Wildlife Habitat Management	5

Third Quarter (Spring)

Catalog #	Course Title	Credits
FA 100	Industrial First Aid	1
HUMDV 120	Human Relations	3
MTEC 107	Boat Safety	1
NATR 230	Wildland Fire Science	6
NATR 145	Restoration Ecology	3
NATR 150 or NATR 210		3-4
NATR 260	Natural Resources Internship	1-5

Your personal educational plan will vary based on many factors including:

- The quarter you begin
- How many classes/credits you plan to take in each quarter
- Your math and English placement; Learn more about placement options by visiting the Assessment and Placement website.
- If you start in our Transitional Studies program

Sample Schedule