FOREST TECHNOLOGY
(A.A.S.)

https://colsa.unh.edu/natural-resources-environment/program/aas/forest-technology

Description

Forestry is an exciting and rewarding career field, in which practitioners work to solve today's pressing natural resource and environmental challenges. Graduates of the Forest Technology program can become career-ready in two years and learn fundamental forestry skills, techniques, and science. Students are introduced to forest ecology, silviculture, wildlife ecology, forest mapping techniques, wood science, and timber harvesting practices. They learn how to inventory natural resources; design, plan, and supervise forest harvesting operations; harvest timber and mill lumber; map and survey forestland; develop a forest management plan; and identify and mitigate forest health issues— all while applying principles of conservation and sustainability. Students interact with a wide variety of professionals as part of their coursework and often go on to work in wood products-related industries, public forestland management agencies, private forestry consulting firms, urban tree care companies, and a range of conservation organizations. After obtaining an associate degree in forest technology, qualified students may then transfer to the university's accredited four-year forestry program and obtain a bachelor's degree in two additional years with a full-time course of study or move right into an exciting career.

Career Opportunities

Forestry consultant, forest fire control and use technician, mapping technician, geographic information systems/global positioning systems (GIS/GPS) technician, timber and log buyer, log scaler, lumber grader, sawmill technician, arborist, urban tree care specialist, timber cruiser/forest inventory technician, or forestry equipment/products sales representative.

Requirements

Degree Requirements

Minimum Credit Requirement: 64 credits
Minimum Residency Requirement: 16 credits must be taken at UNH
Minimum GPA: 2.0 required for conferral*

Core Curriculum Required: Discovery Program

Major, Option, and Elective Requirements as indicated.
*Major GPA requirements as indicated.

Forest Technology Requirements

Candidates for a degree must take 20 credits of Discovery courses in addition to satisfying the requirements of the Forest Technology program. Forest Technology students are required to take:

Degree Plan

Forest Technology Program of Study

First Year

Fall Credits
ENGL 401 First-Year Writing (WS Discovery) 4
NR 425 Field Dendrology 4
FORT 527 Forest Ecology 4
NR 415 Natural Resources Field Methods 2
Credits 17

Spring

BIOL 528 or MATH 420 Applied Biostatistics I (or other) or Finite Mathematics 4
FORT 470 Applied Silviculture 4
FORT 581 Applied Geospatial Techniques 4
Social Science or Humanities Discovery [RMP 511 Recommended] 4
KIN 501 First Aid: Responding to Emergencies 1
Credits 19

Second Year

Fall

NR 433 Wildlife Ecology (BS Discovery) 4
FORT 572 Mensuration 4
FORT 577 Forest Harvesting Systems 4
FORT 597 Work Experience 0
Discovery Elective: FPA, HP, ETS, WC, PS 4
Credits 16

Spring

FORT 564 Arboriculture 3
FORT 573 Management Operation & Analysis 4
FORT 576 Forest Products and Wood Science 4
FORT 578 Ecology and Management of Forest Stressors 4
FORT 579 Wildland Fire Ecology and Management 4
Credits 19

Total Credits 66
Student Learning Outcomes

- Identify the flora and fauna of regional forests and understand their role in ecological communities.
- Apply the concepts of forest and wildlife ecology to sustainable natural resource management for the benefit of society.
- Measure, collect, and analyze field data using appropriate technologies to make sound forest management decisions.
- Understand harvesting and processing of forest products.
- Navigate in forested settings, and locate and map property boundaries and natural resource features.
- Identify land cover types and incorporate spatial data to facilitate forest management.
- Identify and evaluate appropriate management strategies in the context of forest insects and pathogens.
- Lead field crews to safely and productively accomplish forest management goals.
- Communicate effectively and professionally in written and oral formats with clients, related agencies, and the general public.