

## FORESTRY AND NATURAL RESOURCES TECHNOLOGY (FNR)

### About the program

Programs in this field provide basic and advanced educational opportunities for students seeking careers related to forestry and natural resources.

### Degrees/Certificates within this Program:

- Associate of Science Degree, Forestry and Natural Resources Technology, Forest Technology
- Certificate of Achievement, Forest Technology
- Certificate of Recognition, Geomatics

### Similar Degrees/Certificates offered at CR:

- Associate of Science Degree, Civil Design
- Certificate of Achievement, Civil Design

### Career Opportunities

Careers in this area are often field-based and include a wide variety of activities such as inventorying trees, finding and marking Endangered Species locations, measuring streamflow and water quality, designing and monitoring forest road construction, developing and using geographic information systems and global positioning systems, working with prescribed fire or suppressing wildland fires, or fuels management.

### For more information

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www.redwoods.edu/forestry/
- Career & Technical Division, 707-476-4341
- Counseling & Advising, 707-476-4150

### Associate of Science Degree, Forestry Technology

	Units
<b>General Education Requirements</b>	<b>18.0</b>
<b>Program Requirements</b>	<b>55.0</b>
AG 17* Intro to Soil Science	3.0
BUS 10* Intro to Business	3.0
ENVSC 11* Environmental Ethics	3.0
MATH 15* Statistics	4.0
or MATH 25* Trigonometry	4.0
or MATH 30* College Algebra	4.0
AG 46** Computers in Agriculture Management	3.0
FNR 1 Intro to Forestry and Natural Resources	3.0
FNR 5 Forest Ecology and Management	3.0
FNR 10 Timber Harvesting in California	5.0
FNR 51 Dendrology	3.0
FNR 52 Intro to Surveying	4.0
FNR 54 Intro to Natural Resource Inventory Techniques	3.0
FNR 58 Intro to Photogrammetry and Remote Sensing	2.0
FNR 60 Forest Health and Protection	3.0
FNR 65 Intro to GIS	3.0
FNR 67 Intro to GPS	1.0
FNR 77 Intro to Wildland Fire	3.0
FNR 80 Intro to Watershed Management	3.0
FNR 87 Wildlife Biology and Conservation	3.0
<b>Unrestricted Electives - as needed to complete 61 units total</b>	
<b>Total Units</b>	<b>61.0</b>
*Course may be double counted toward General Education.	
**Course has been inactivated. Please see department for appropriate course substitution.	

### Program Learning Outcomes

- Discuss the history, policy, economics, and management of natural resources including how society utilizes forests and other natural resources.
- Acquire, analyze, and interpret quantitative data about natural resources.
- Identify and describe species and environmental factors in forest ecosystems, and use ecological knowledge about natural resources to analyze predicted outcomes of management.
- Acquire, analyze and interpret geospatial information about natural resources.
- Understand and use safe practices in the field.

### About this Degree

The A.S. Degree in Forestry and Natural Resources (FNR) provides classroom- and field-based learning opportunities. The program combines ecological and technical knowledge with experiential lab environments that introduce students to the wide range of skills and employment pathways possible in the profession. Students learn how to identify, measure, and analyze various aspects of the forest environment, including trees, water, wildlife, and geospatial components and can then use this knowledge in careers working in natural resources. Most of the FNR major courses articulate directly with Humboldt State University Forestry degrees, though students should consult Counseling and Advising for current articulation agreements and transfer opportunities.

### Suggested Program Sequence

#### Fall Start

Semester 1	ENGL 1A, FNR 1, FNR 51, FNR 67, MATH 15 or MATH 25 or MATH 30
Semester 2	ENVSC 11, FNR 5, FNR 54, FNR 60*, FNR 77, FNR 80*
Semester 3	AG 17, FNR 10, FNR 52, FNR 65, FNR 65, COMM 1
Semester 4	AG 46, BUS 10, FNR 58, FNR 87

\*Course offered every other year.