

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, Drafting and 3D Modeling
- Certificate of Achievement, Drafting and 3D Modeling

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
General Education Requirements	18.0
Program Requirements	53.0-55.0
AG 17* Intro to Soil Science or CHEM 2* Intro to Chemistry	3.0 5.0
BUS 10* Intro to Business	3.0
ENVSC 11* Environmental Ethics	3.0
MATH 15* Introduction to Statistics or MATH 25* College Trigonometry or MATH 30* College Algebra	4.0 4.0 4.0
FNR 1* Intro to Forestry and Natural Resources	3.0
FNR 3 Seminar in Forestry & Natural Resources	1.0
FNR 5 Forest Ecology and Management	3.0
FNR 10 Timber Harvesting in California	5.0
FNR 46 Technology & Applications in FNR	1.0
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
Unrestricted Electives - as needed to complete 61 units total	
Total Units	61.0
*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	MATH 15 or 25 or 30, FNR 1, FNR 3, FNR 46, FNR 51
Semester 2	AG 17 or CHEM 2, FNR 5, FNR 54
Semester 3	BUS 10, FNR 10, FNR 52, FNR 67, FNR 80
Semester 4	ENVSC 11, FNR 58, FNR 60, FNR 87