

Study forestry and natural resources in an outdoor classroom!

COLUMBIA COLLEGE is ideally situated for developing the skills, knowledge and experience necessary to succeed in the fields of Forestry & Natural Resources. The main campus is located on 280 acres of oak woodland, mixed conifer forest, and chaparral in the historic Mother Lode Gold



Country in the foothills of California's Sierra Nevada. The college also offers studies at the High Sierra Institute at Baker Station, a high elevation field station located near Sonora Pass and the crest of the Sierra.

Campus Facilities

Learning opportunities on Columbia's main campus include the San Diego Reservoir, the Arboretum nature trail, a greenhouse, a wetland, limestone-marble rock formations, an



astronomical observatory, and a comprehensive taxidermy collection of Sierra Nevada wildlife.

Local Study Sites

Nearby off-campus study sites include Yosemite National Park, the Stanislaus National Forest, Calaveras Big Trees State Park, and BLM lands, including the Red Hills Area of Critical Environmental Concern, New Melones and Don Pedro Reservoirs, and the Emigrant and Carson Iceberg wilderness areas.



Geared with Technology

The department is equipped with an inventory of essential equipment for developing wildlife, watershed, forestry, forest surveying, mapping and other Forestry & Natural

Resources skills. Among them are wildlife cameras, spotting scopes, GPS equipment, hand and staff compasses, clinometers, auto levels, engineer's transits, standard and digital theodolites, and electronic distance meters.

Interdepartmental Cooperation

There is a high level of cooperation between the Forestry & Natural Resources and our Physical & Biological Sciences Departments. This interdisciplinary interaction strengthens all participating departments, and improves the future employment potential for students.

As such, a strong crossover exists with the Geographic



Information Systems/Global Positioning Systems Program in the Earth Sciences area. While resource identification, evaluation and measurement are taught in Forestry & Natural Resources, GIS/GPS students learn how to apply this data to map and graphical projections as well as field orienteering.

Register for Classes Today!

Columbia College courses are transferable to four year universities for advanced degrees. Call Tom Hofstra 209.588.5155 and find out more about education and careers in Forestry & Natural Resources!



Possible Career Fields in Forestry & Natural Resources

- Production Forestry
- Urban Forestry
- Utility Forestry
- Fire Fuels Management
- Plant and Wildlife Biology
- Recreation
- Policy
- Technology
- Landscape Management
- Drinking Water Treatment
- Wastewater Treatment

Employment Opportunities

Governmental Agencies:

- U.S. Forest Service
- National Park Service
- Bureau of Land Management
- Bureau of Reclamation
- U.S. Fish and Wildlife Service
- National Resource Conservation Service
- State Fish and Game
- State Parks
- CAL Fire
- CAL Trans
- Local Planning/Community Development
Departments
- Local Utility Agencies

Private Sector:

- Forest Products Industry
- Urban and Utility Forestry
- Consulting
- Non-governmental Agencies



Forestry & Natural Resources 209.588.5155

Instructional Services **209.588.5142**

Admissions & Records **209.588.5233**

Visit our website **www.gocolumbia.edu**

11600 Columbia College Drive
Sonora, CA 95370

Degrees & Certificates

	<i>Units</i>
Associate in Science – Forestry	22*
Associate in Science – Natural Resources	20-22*
Associate in Science (Occupational Education) Forestry Technology	40-45*
Associate in Science (Occupational Education) Natural Resources Technology	40-45*
Associate in Science (Occupational Education) Natural Resources/Watershed Management Technology	34-38*
Certificate of Achievement – Forestry Technology	40-45*
Certificate of Achievement – Natural Resources Technology	40-45*
Certificate of Achievement – Natural Resources/ Watershed Management Technology	34-38*

**Total number of required units in the majors only.
See our college catalog for complete requirements.*

A.S.O.E. Requirements Example:

Natural Resources/Watershed Management Technology

<i>Required Courses</i>	<i>Units</i>
CMPSC 1 Computer Concepts & Information Systems	4

Choice of one of the following 3:

ESC 5 Physical Geology	4
ESC 10 Environmental Geology.....	3
GEOGR 15 Physical Geography.....	3

FORES 10 Dendrology.....	3
FORTC 153 Forest Surveying Techniques.....	3

Choice of one of the following 2:

NATRE 3 Natural Resources Law & Policy	3
NATRE 9 Parks & Forests Law Enforcement	2

NATRE 22 Ecology/Use of Fire	2
NATRE 30 Introduction to Watershed Management	3

Choice of one of the following 2:

NATRE 50 Natural History & Ecology	2
BIOL 24 General Ecology.....	4

NARTC 160 Aerial Photography & Map Interpretation	2
NARTC 181 California Wildlife.....	4

Plus Option A or B:

Option A

CMPSC 60 Introduction to GIS-ArcView	3
DRAFT 50A Computer Assisted Drafting I	3

Option B

CMPSC 70 Introduction to Raster-based GIS.....	3
CMPSC 75 GIS Applications in Resource Management.....	3

Total Required Units **34-38**

Forestry & Natural Resources

