

AGRICULTURE

Forest Science & Technology

2017-2018

The job market in forestry is strong with respect to both permanent and seasonal employment. On average, 70-80% of seasonal Natural Resources job openings in northern California are for forestry technicians. Duties will vary, but generally include timber inventory and marketing, harvest plan layout, ecosystem restoration work, and wildlife surveys. Today, this new forestry must focus on the ecosystem as a whole while realizing we still need to provide a myriad of values from our forests. Such values include biodiversity, clean air and water, and recreation in addition to wood products. By properly applying ecological principles to manage our forests, we can enhance biodiversity and lessen the impact of our consumption on forests around the world.

On average, seasonal forestry technicians are paid anywhere from \$10-\$15 per hour. Permanent jobs for qualified technicians start around \$30,000 - \$45,000 per year with benefits. Students who complete the A.S. degree in Forest Science and Technology, with the addition of CSU General Education courses, will be well prepared to transfer to a four-year degree at Humboldt State, Cal-Poly San Luis Obispo, or other out-of-state institutions such as the University of Idaho.

Students planning to transfer to a college or university should consult a counselor to select appropriate general education and elective courses that will meet the requirements of the chosen university program

REQUIREMENTS FOR ASSOCIATE IN SCIENCE DEGREE:

Recommended Course Sequence:

First Semester (Fall):

			<u># of Units:</u>
AGNR*	1	Introduction to Natural Resources (F)	3
AGNR	50	Natural Resources Measurements (F)	4
AGNR	51	Silviculture and Fire Ecology (F)	3.0

Second Semester (Spring):

AGNR	6	Native Plant Identification (S)	3
AGNR	55	Introduction to Forest Operations (S)	3
CHEM*	2A	Introduction to Chemistry	5
		General Ed (Oral Communication Requirement)	

Summer Session:

AGNR	94	Natural Resources Worksite Learning (F/S)	3
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Third Semester (Fall):

AGNR	65	Forest Ecology (F)	3
AGPS*	24	Soils (F/S)	3
GEOG	9	Map and Geospatial Principles	4
GEOG→	10	Introduction to Geographic Information General Education (Social and Behavioral Science)	3

Fourth Semester (Spring):

AGNR	53	Forest Protection and Health (S)	3
GEOG	10	Introduction to Geographic Information Systems	3
BOT*	1	General Botany	4
		General Education (Multicultural/Living Skills)	
		General Education (Humanities)	

* May be used to fulfill General Ed requirement.

→ May have prerequisite required.

Associate in Science Degree Requirements

Unit Requirement:

60 semester units

Scholarship Requirement:

Overall GPA of 2.0

Residence Requirement:

Last 12 semester units or a minimum of 48 total semester units must be completed in residence at Shasta College

Course Requirement:

Complete specific occupational major requirements (see left)

General Education:

For Associate degree, complete 21 units of general education coursework (general ed may overlap with major course work-see counselor for details).

Multicultural & Computer Literacy Competency

Requirements:

See Shasta College catalog for details. (May overlap with general education).

Major	39 Units
Additional General Education	18 Units
General Electives	3 Units
TOTAL	60 Units

Business, Agriculture, Industry, Technology & Safety

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"F" (Fall) and "S" (Spring) indicate which semester a course is usually offered. "I" indicates course may not be offered every year. **Subject to change.**