

# CONSERVATION

AgCareers.com developed career profiles for high demand jobs in the agricultural industry. These career profiles are a helpful resource for students and job seekers to explore new roles in the industry, as well as for career educators.

## Falconer

### JOB OVERVIEW

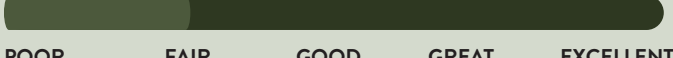
Use birds of prey like eagles, hawks, falcons or owls to control behavioral patterns of pest bird species or relocate/exterminate pest animals affecting agricultural production

House, care for & safely transport birds of prey

Discuss client needs & assist in developing proper action using birds of prey

Maintain proper licensing

### JOB OUTLOOK



### EDUCATION NEEDED

High school diploma & Associate's degree in wildlife management, environmental science or poultry science

### RECOMMENDED H.S. COURSES

Ag education, earth science, biology, botany, chemistry, biology, mathematics

### TYPICAL EMPLOYERS

Typically self-employed; may be hired to do falconry work for vineyards, produce farms & golf courses

## Forester

### JOB OVERVIEW

Care for, plant & manage trees or forests

Conduct technical forestry work including timber marking, volume estimation, technical assistance for forestry products

In instances of burning, evaluate areas to be burned prior to & after

Assist in wildfire prevention & respond to wildfire emergencies

Collect forest data

### JOB OUTLOOK



### EDUCATION NEEDED

Bachelor's degree in forest management, natural resources, conservation, or related field

### RECOMMENDED H.S. COURSES

Ag education, biology, horticulture, natural resources, computer courses, mathematics

### TYPICAL EMPLOYERS

Timber companies, national and state parks, government agencies; self-employed

## Forest Fire Fighter/Fire Tower Watchman

### JOB OVERVIEW

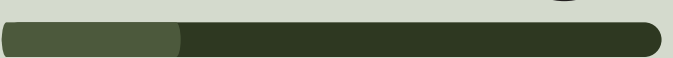
Combat & prevent forest or prairie fires

Provide rescue and alert emergency assistance to aid persons or animals injured in fire

Participate in fire break preparation like trimming trees and rock removal

Process & interpret weather information to determine likelihood of burning

### JOB OUTLOOK



### EDUCATION NEEDED

High school diploma; Bachelor's degree in fire science or natural resources recommended

### RECOMMENDED H.S. COURSES

Ag education, natural resources, biology, chemistry, P.E.

### TYPICAL EMPLOYERS

Specialized fire departments & wildland firefighting agencies, fire safety organizations, preserves & parks

## Game Warden

### JOB OVERVIEW

Enforce laws related to hunting & fishing

Patrol assigned region or area for violators in relation to hunting & fishing laws

Apprehend violators & issue fines or citations

Confiscate illegal or harmful items

Assist with hunting or fishing education or licensure

Assist with wildlife conservation

### JOB OUTLOOK



### EDUCATION NEEDED

Bachelor's degree in field such as natural resources, environmental sciences, or wildlife management

### RECOMMENDED H.S. COURSES

Ag education, natural resources, biology, earth science, mathematics

### TYPICAL EMPLOYERS

Almost always state or national level in parks, preserves, and ranges

## Logger

### JOB OVERVIEW

Cut down trees & process them into logs

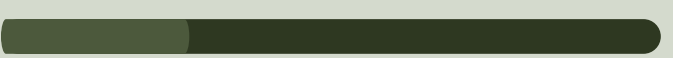
Chain logs to tractors or other machines that will tow logs to a loading site

May be required to operate tractor or other towing machine

Climb trees for inspection, trimming, or to attach cable rigging for harvest

Inspect & maintain equipment for optimal safety

### JOB OUTLOOK



### EDUCATION NEEDED

High school diploma

### RECOMMENDED H.S. COURSES

Ag education, natural resources, computer courses, mathematics

### TYPICAL EMPLOYERS

Lumber or timber companies or state & national forest associations or groups

## Sawmill Operator

### JOB OVERVIEW

Operate sawmill to saw logs into rough sawn lumber and dimensional lumber

Install & maintain all sawmill/planer machinery and equipment

Utilize woodworking tools like hand-held router, table saw, band saw, miter saw, sander, etc.

Perform preventative maintenance of mill including repair planning

Operate a loader/forklift to lift & load logs

### JOB OUTLOOK



### EDUCATION NEEDED

High school diploma required; experience or apprenticeship as a millwright preferred

### RECOMMENDED H.S. COURSES

Ag education, natural resources, industrial technology, business and computer courses, mathematics

### TYPICAL EMPLOYERS

Lumber or timber companies & suppliers, lumber product manufacturers

## Wildlife Biologist

### JOB OVERVIEW

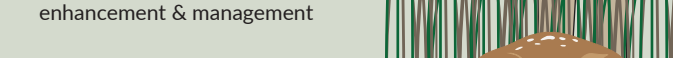
Study & oversee the protection & management of an assigned population of one or several species of animals

Collect data through ground & aerial surveys, animal capture & handling & radio-telemetry

Assess & improve wildlife habitats

Develop funding & grant proposals for habitat acquisition, enhancement & management

### JOB OUTLOOK



### EDUCATION NEEDED

Bachelor's or Master's degree in wildlife biology, ecology, or related field

### RECOMMENDED H.S. COURSES

Ag education, biology, animal science, natural resources, mathematics

### TYPICAL EMPLOYERS

Government agencies, conservation groups, environmental organizations, preserves, parks, zoos

PROFESSIONALS IN CONSERVATION CAN EXPECT TO EARN AN AVERAGE OF \$42,000 PER YEAR