

# AQUACULTURE

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.

## *Aquaculturist*

### JOB OVERVIEW

**Understand** the growth, development, and production of aquatic animals

**Assist with all aspects of fish husbandry** including feeding, grading, movement, water quality monitoring, and inventory control

**Grow fish or shellfish** as cash crops

**Handle incubation & short-term rearing** of fish in net pens or small ponds

### JOB OUTLOOK

POOR FAIR GOOD GREAT EXCELLENT



### EDUCATION NEEDED

Bachelor's or Master's in fisheries, aquaculture, or biological sciences

### RECOMMENDED H.S. COURSES

Ag education, biology, environmental science, and chemistry

### TYPICAL EMPLOYERS

Large commercial fisheries, biological research companies, government agencies, parks, or aquariums

## *Fisheries Technician*

### JOB OVERVIEW

**Oversee & assist in the daily operation** of a fishery

**Ensure fish are healthy and well-fed** in addition to ensuring quality maintenance at facility

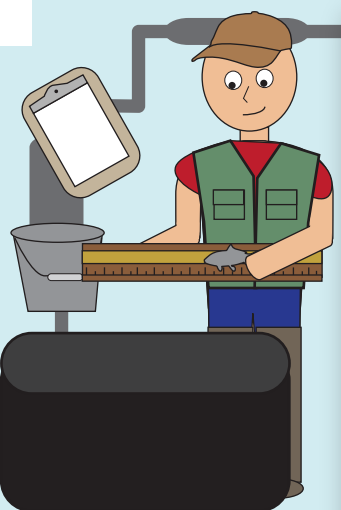
**Assist in habitat enhancement & management**

**Prepare diets for fish** and collect fish brood stock

**Sort & spawn fish**

### JOB OUTLOOK

POOR FAIR GOOD GREAT EXCELLENT



### EDUCATION NEEDED

Bachelor's degree in aquaculture, biology, chemistry, statistics, or agriculture

### RECOMMENDED H.S. COURSES

Ag education, biology, chemistry, mathematics, environmental science

### TYPICAL EMPLOYERS

Privately-owned fisheries, government and state agencies

## *Aquaculture Hatchery Manager*

### JOB OVERVIEW

**Oversee all aspects of an aquaculture hatchery** including the management of personnel, fish, and equipment

**Track fish cycles** to determine harvest and release times

**Find ways to trap and breed** in an environmentally friendly way

**Oversee water quality** assurance and quality control programs

**Manage fish packing & transfer**

### JOB OUTLOOK

POOR FAIR GOOD GREAT EXCELLENT



### EDUCATION NEEDED

Bachelor's in fisheries science, aquaculture, hatchery management, or hatchery maintenance

### RECOMMENDED H.S. COURSES

Ag education, animal science, English, biology, chemistry, environmental science, mathematics

### TYPICAL EMPLOYERS

Large commercial fisheries, government environmental agencies

## *Saltwater Husbandry Technician*

### JOB OVERVIEW

**Responsible for general farm operations** including feeding and care of fish grown in saltwater

**Handle operation & basic maintenance** of feeders, boats, and equipment

**Perform laboratory analysis** of water quality samples

**Test & maintain saltwater levels** to promote optimal growth of fish produced in saltwater

**Prepare fish diets**

### JOB OUTLOOK

POOR FAIR GOOD GREAT EXCELLENT



### EDUCATION NEEDED

Bachelor's degree or higher in ecology, marine biology, animal nutrition, zoology, or aquaculture

### RECOMMENDED H.S. COURSES

Ag education, biology, chemistry, mathematics

### TYPICAL EMPLOYERS

Fisheries, aquariums, zoos, government agencies

**PROFESSIONALS IN AQUACULTURE CAN EXPECT TO EARN AN AVERAGE OF \$46,250 PER YEAR**