

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

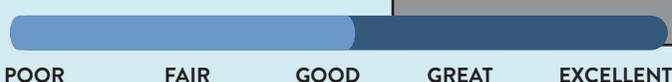
Understand the growth, development, and production of aquatic animals

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



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

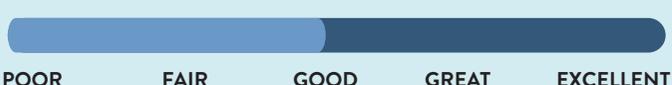
Ensure fish are healthy and well-fed in addition to ensuring quality maintenance at facility

Assist in habitat enhancement & management

Prepare diets for fish and collect fish brood stock

Sort & spawn fish

JOB OUTLOOK



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

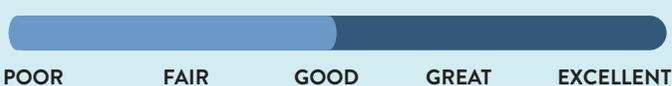
Track fish cycles to determine harvest and release times

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



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

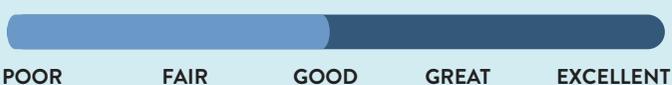
Handle operation & basic maintenance of feeders, boats, and equipment

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



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