## Pacific Education Institute
# Aquaculture and Fisheries CTE Framework Sequence

## Pathways to Green Jobs

Aquaculture and Fisheries (A&F) job openings are expected to increase in coming years, yet employers struggle to find applicants with the entry level skills and experience needed to enter this field.

Washington State is the nation's largest industry for commercial fisheries, aquaculture, and seafood businesses with a value of $1.2 billion. The industry provides almost 10,000 jobs and more than half a billion dollars in wages.

PEI's A&F high school course sequence prepares the next generation to succeed in the workforce through career connected learning at employer sites.

## Standards Alignment:

- Designed for use in Career and Technical Education (CTE) programs
- Next Generation Science Standards
- Agriculture, Food and Natural Resources Career Cluster
- 21st Century Skills
- Washington State Mathematics Learning Standards

## Sequence Overview:

- Introduction to Aquaculture and Fisheries (A&F)
  - 1 credit: Lab science or CTE
- Advanced A&F
  - 1 credit: Lab science, math or CTE
  - Designed for dual credit

PACIFICEDUCATIONINSTITUTE.ORG

greenjobs@pacificeducationinstitute.org

# Course Units Include:

- Safety and well-being
- Stewardship and sustainability
- Aquatic organisms, biology, and ecology
- Water quality and animal husbandry
- Data science – collection and analysis
- Facility and equipment operations
- Communication and marketing
- Career pathways
- Supervised agricultural experience

## Entry Level Skills Valued by Employers:

- Safety and teamwork
- GIS, Outlook, Excel
- Data collection
- Driver's license and clean driving record
- Aquatic species husbandry
- Facility operation

# Workforce Partners Include:

Washington Office of Superintendent of PUBLIC INSTRUCTION

Washington Department of FISH and WILDLIFE

CAREER CONNECT WASHINGTON

THE SUQUAMISH TRIBE

Pacific Shellfish Institute

TAYLOR SHELLFISH Farms — SINCE 1890

CHELSEA FARMS — EST. 1987 — OYSTERS & CLAMS

THE CONFEDERATED TRIBES OF THE COLVILLE RESERVATION — 1872

HAMA HAMA® — Est. 1922

Northwest Indian Fisheries Commission

Bellingham TECHNICAL COLLEGE

PCSGA — PACIFIC COAST SHELLFISH GROWERS ASSOCIATION

Agriculture & Natural Resource Center of Excellence

## Launch a course at your school, district, or skill center: