

Washington County



Community College

Calais, Maine
Discover Choices • Create Success

Approximate Cost For One Year (Tuition & Fees)

In State
\$3,765.70

New Brunswick Residents
\$7,361.20

Out of State
\$7,336.90

Financial Aid is available
for students who qualify.
Approximately 85% of
WCCC students receive
some form of financial aid.

www.FAFSA.Ed.Gov

School Code: 009231

One College Drive
Calais, Maine 04619

207-454-1000
1-800-210-6932



wccc.me.edu

Aquaculture Technology



The **Aquaculture Technology Program** is designed to provide students with foundational knowledge to enter the field of aquaculture with a sound and varied entry-level knowledge of the various specialties within the sector. Graduates of this program will have solid skills to work in both off-shore and land-based farm facilities, and the content of the programming will meet the need for entry-level skill sets in four key aquaculture sub-sectors: 1) Land-based recirculating aquaculture; 2) Marine fin-fish aquaculture; 3) Cold-water coastal shellfish aquaculture; and 4) Marine macroalgae aquaculture.

Career Opportunities: Graduates of the program will be qualified for positions such as Aquaculture Technician, Farm Technician, Hatchery Technician and Recirculating Aquaculture Technician.

Program Learning Outcomes: Upon completion of the Associate in Applied Science degree in Aquaculture Technology, the graduate is prepared to:

- Identify and apply the basic theories, principles, and practices of the aquaculture industry: including language, regulations, and management practices for coastal and land-based operations.
- Review and practice the fundamental skills and techniques of aquafarming, including monitoring animal health, growth rates, and accounting for environmental factors that affect productivity.
- Identify and analyze marine organisms, their evolutionary history, biogeography, anatomy, interactions with other organisms, adaptation to their environment and their impact on aquaculture.
- Identify and adhere to regulatory and safety protocols and standards in aquaculture operations.
- Evaluate career pathways in aquaculture, weighing the pros and cons, rewards, and demands to think critically and make informed decisions.
- Interpret water quality and chemistry's role in animal and plant welfare and its influence on Maine's key species production.
- Plan, develop and present a comprehensive biosecurity plan.

For more information, contact our Office of Admissions or Schedule a Campus Visit at www.wccc.me.edu

Contact Us:

admissions@wccc.me.edu
207-454-1000



Associate in Applied Science – 63 Credit Hours

Course #	Course Title	Credits
Semester 1		
AQU	Aquaculture Elective	3
AQU101	Introduction to Aquaculture	3
BIO112	Marine Biology	4
ENG101	College Composition	3
FYE100	First Year Experience	1
MFG101	Safety	2
Total		16
Semester 2		
AQU	Aquaculture Elective	3
AQU111	Basic Principles of Aquaculture	4
AQU112	Exploring Aquaculture Careers	3
BIO114	Introduction to Water Quality & Water Chemistry in Aquaculture	2
MAT106	College Mathematics for Technologies	3
Total		15
Semester 3		
AQU211	Principles of Aquatic Animal Health, Nutrition & Disease Management (fin fish or shellfish & macroalgae tracks)	3
AQU212	Principles of Biosecurity	1
BIO213	Applied Marine Biology in Aquaculture	3
Elective	Elective	3
HIS122	History of Commercial Fishing in Maine	3
Total		12
Semester 4		
AQU214	Applied Techniques in Aquaculture	8
AQU215	Field Experience in Aquaculture	3
ENG107	Speech	3
PHI114	Environmental Ethics	3
PSY101	Introduction to Psychology	3
Total		20

Certificate – 31 Credit Hours

Course #	Course Title	Credits
Semester 1		
AQU	Aquaculture Elective	3
AQU101	Introduction to Aquaculture	3
BIO112	Marine Biology	4
ENG101	College Composition	3
FYE100	First Year Experience	1
MFG101	Safety	2
Total		16
Semester 2		
AQU	Aquaculture Elective	3
AQU111	Basic Principles of Aquaculture	4
AQU112	Exploring Aquaculture Careers	3
BIO114	Introduction to Water Quality & Water Chemistry in Aquaculture	2
MAT106	College Mathematics for Technologies	3
Total		15

Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1094