

The Early College Aquaculture Pathway is designed for students who wish to explore careers in aquaculture of shellfish, finfish, and algae. With Maine's aquaculture industry on the rise, skilled workers are in demand. These courses combine hands-on experience in multiple aquaculture methods with introductory courses in science and the business skills needed to excel in the workforce.

**This pathway may lead to programs in a variety of majors at UMaine Machias, including:**

- B.A. in Biology with concentrations in:
  - Fisheries Biology
  - Wildlife Biology
  - Pre-professional
- B.S. in Marine Biology with concentrations in:
  - Marine Ecology
  - Aquaculture
  - Coastal Conservation
- A.A. in Liberal Studies with a concentration in:
  - Aquaculture
  - Marine Biology

**Completion of these majors allows students to pursue careers in fields such as:**

- Aquaculture
- Biology and genetics
- Conservation and resource management
- Outreach and environmental education
- Laboratory and field research
- Health sciences, pharmacy and medicine
- Interpretive naturalist (for museums, aquaria, etc.)
- Secondary education
- Shellfish, finfish, or seaweed farmer
- Veterinary medicine

**Delivery: On-campus or hybrid**  
**Credits: 14-17**

**Pathway Requirements:**

- BIO 136: Introduction to Aquaculture\*
- BIO 117: This is Life!
- ENG 101: Composition and Presentation I
- BUS 111: Introduction to Business and Entrepreneurship
- BIO 236: Aquaculture Internship\*\*

*Courses are listed in recommended sequence. \*Courses marked with an asterisk are delivered on campus only. \*\*Course marked with two asterisks is an in-person internship available at a location near you.*



**Get a Head Start on Your College Degree!**  
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