

AQUATIC SCIENCE & AQUACULTURE MINOR

The aquatic science and aquaculture minor is for students in a Bachelors degree program who also want to gain an understanding of aquaculture, marine biology, fisheries biology, limnology and aquatic biology. This minor is intended to equip students with the fundamental scientific principles needed to develop solutions for the pressures placed on our aquatic resources and the production of a sustainable food source through aquaculture. You will explore diverse subjects through practical, hands-on experience in a state-of-the-art aquaculture complex and a wide assortment of laboratory and field settings.

Student Learning Outcomes

Upon successful completion of this minor students will be able to:

- Describe the state of the aquaculture and aquatic science profession and potential career opportunities.
- Utilize the developed expertise in concepts, theories, and emerging methodologies to succeed in tackling real-world issues in aquaculture and aquatic science.
- Conduct himself/herself in a manner consistent with an embodied sense of environmental stewardship.
- Utilize oral and computer communication skills necessary to interact in the profession.
- Demonstrate advanced knowledge and competency in taxonomy and natural history of aquatic flora and fauna of the northeast.
- Demonstrate hands-on experience in aquatic sampling inventory and measurement techniques.
- Become an independent, self-motivated professional with the ability to recognize problems in their field of aquaculture and aquatic science and apply critical thinking and problem-solving skills.

Curriculum Requirements

Code	Title	Credits
NATR 150	Aquaculture	3
or NATR 153	Marine Biology	
Select one of the following:		1
NATR 156	Aquaculture Practicum I	
or NATR 257	Aquaculture Practicum III	
NATR 288	Research in Aquatic Science I	
NATR 152	Fish Reproduction	2
NATR 252	Fish Ecology and Management	3
or NATR 254	Fish Health Management	
Select two of the following:		6
ENRM 303	Fundamentals Geospatial System	
ENRM 305	Environment Law Policy Justice	
ENRM 312	Field Sampling Design & Techniques	
ENRM 345	Surface & Groundwater Mgt.	
ENRM 351	Tropical Ecology II	
Total Credits		15