



MAKE YOUR **PASSION** YOUR CAREER

Accredited | 100% Online | 8 Start Dates a Year

MARINE BIOLOGY & SUSTAINABLE AQUACULTURE

Do you love the ocean and are you passionate about the marine environment? You can put these passions at the center of a rewarding career in Marine Biology and Sustainable Aquaculture. In Unity's MBSA program, you will learn the biological connections between the world's oceans, the promise and future of the aquaculture industry, and how we can all contribute to a sustainable marine environment.

PROGRAM FEATURES

- + Transfer friendly! We will accept up to 90 credits.
- + Experiential Online. Experiential programs are delivered 100% online with field work designed with the working professional in mind.
- + Study when and where you want and finish your degree while still working full-time.
- + One-on-one academic advising as our trained staff strive to make your professional and academic goals a reality.
- + Unity Environmental University is an accredited institution by New England Commission of Higher Education (NECHE).
- + Make professional connections with leaders in your field.
- + Get job placement assistance through our career services department.

BACCALAUREATE DEGREE



DISTANCE EDUCATION

COSTS

- + \$470 per credit | Military Rate: \$423
- + Full time financial aid is available to students taking a few as 3 credits/term.
- + No textbooks to purchase in over half of our courses!

CAREER OUTCOMES, GROWTH*, & SALARY**

Aquaculture Manager

\$ \$48k 📈 +8

Fish Hatchery Technician

\$ \$35k 📈 +6

Marine Scientist

\$ \$72k 📈 +5

Fisheries Biologist

\$ \$60k 📈 +5

*Projected 10-year growth **National median salary
Source: O*Net



MARINE BIOLOGY & SUSTAINABLE AQUACULTURE



JOB OUTCOMES, GROWTH*, & SALARY**

At Unity Environmental University, we understand the importance of aligning education with your passions and career goals. That's why our courses are thoughtfully designed to equip you with the knowledge and skills necessary to pursue a rewarding career with gainful employment in your chosen field. Additionally, our faculty consists of experienced professionals who bring real-world insights, providing you with valuable mentorship and guidance. At Unity, you will find exceptional career development resources and experiential opportunities to further enhance your employability and help you achieve your professional aspirations.



Aquaculture Manager

Median Salary: \$48k
Growth: +8

Aquaculture Managers direct and coordinate the activities of the employees that work in fish hatchery production for corporations, cooperatives, or other owners. They are also responsible for growing fish and shellfish as cash crops or for release into freshwater or saltwater.



Marine Scientist

Median Salary: \$72k
Growth: +5

Marine Scientists research life in the oceans, other saltwater environments, and other wetlands. They are responsible for observing and documenting data on experiments on marine life. They may also be responsible for rehabilitation efforts.



Fisheries Biologist

Median Salary: \$60k
Growth: +5

Fisheries Biologists are responsible for studying fish and supervising efforts to conserve their natural habitats. They collect samples from wetlands and document their research and data.

*Projected 10-year growth

**National median salary

Source: O*Net



DISTANCE EDUCATION

UNOFFICIAL BACCALAUREATE CHECKSHEET MARINE BIOLOGY & SUSTAINABLE AQUACULTURE

Student Name _____

Total Transfer Credits _____ Checksheet Date _____

MARINE BIOLOGY & SUSTAINABLE AQUACULTURE PROGRAM

The B.S. in Marine Biology and Sustainable Aquaculture prepares students for a broad range of careers helping protect, preserve, maintain, and grow marine organisms and environments. Graduates can obtain employment immediately after graduation with private firms, aquariums, and various government agencies as marine animal trainers, aquaculture scientists, and fisheries technicians. This degree provides students with a broad emphasis on both marine biology and aquaculture and encompasses coursework with the rigor to prepare students for further study in graduate school or even starting their own aquaculture enterprise.

GRADUATES WILL BE ABLE TO:

- + Explain the underlying biological principles and functioning of marine and aquatic organisms at structural levels ranging from molecular to ecosystem.
- + Choose and implement appropriate Laboratory and field techniques used in marine organismal observation, research, management, and care, including those in wild, cultured, and farmed settings.
- + Compare and contrast the major types and components of aquaculture systems, species, and factors as they relate to both environmental and systematics sustainability.
- + Create local, regional, and global solutions to environmental problems in marine biology and aquaculture.
- + Critically evaluate information using scientific and quantitative reasoning skills.

General Education Core

- ☐ **BIOL 103** Biology: Foundations of Life
- ☐ **BIOL 104** Biology: Foundations of Life Laboratory (1cr)
- ☐ **BIOL 105** Biological Diversity, Ecology, and Evolution
- ☐ **BIOL 106** Biological Diversity, Ecology, and Evolution Laboratory (1cr)
- ☐ **COMM 100** Communication Skills for Online Learners (2cr)
- ☐ **COMM 102** Strategic Writing for Environmental Professionals (2cr)
- ☐ **COMM 301** Communicating for Impact (2cr)
- ☐ **ENVS 201** The Warming Planet: Understanding Climate Change
- ☐ **MATH 101** College Algebra for Environmental Professionals OR **MATH 105** Precalculus
- ☐ **MATH 201** Statistics for Environmental Professional
- ☐ An Arts course
- ☐ A Humanities course
- ☐ A Language course
- ☐ A Social Science course

Environmental Professional Core

- ☐ **EVPC 100** Ecoliteracy (1cr)

3 CREDITS OF ENVIRONMENTAL ISSUES (FROM THE LIST BELOW):

- ☐ **EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation
- ☐ **EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste
- ☐ **EVPC 210** Environmental Issues: Ocean Acidification (1cr)
- ☐ **EVPC 211** Environmental Issues: Forever Chemicals (1cr)
- ☐ **EVPC 212** Environmental Issues: Light and Noise Pollution (1cr)
- ☐ **EVPC 213** Environmental Issues: Climate Refugee Crisis (1cr)
- ☐ **EVPC 301** Environmental Justice OR **EVPC 305** Building a Better World: Ethical Decision-Making
- ☐ **EVPC 401** Transformational Leadership
- ☐ **EVPC 490** Transdisciplinary Capstone



DISTANCE EDUCATION

UNOFFICIAL BACCALAUREATE CHECKSHEET

MARINE BIOLOGY & SUSTAINABLE AQUACULTURE

Program Core

- ☐ **BIOL 203** Ecological Principles: Applications to Conservation and Wildlife
- ☐ **CHEM 101** Chemistry I
- ☐ **CHEM 102** Chemistry I Laboratory (1cr)
- ☐ **MBAQ 105** Introduction to Oceanography
- ☐ **MBAQ 201** Form and Function of Unique Marine Ecosystems
- ☐ **MBAQ 203** Global Diversity of Freshwater and Marine Resources Used in Sustainable Harvest
- ☐ **MBAQ 301** Sustainable Aquaculture Techniques I: Growing Shellfish and Finfish
- ☐ **MBAQ 303** Sustainable Aquaculture Techniques II: Crustaceans and Pathobiology
- ☐ **MBAQ 307** Ichthyology and Fish Health
- ☐ **MBAQ 310** Marine Mammal and Seabird Biology*
- ☐ **MBAQ 315** Diversity of Marine and Aquatic Vegetation*
- ☐ **MBAQ 401** Field Research in Marine Biology and Aquaculture*

*Includes hands-on Laboratory or field component option.

General Electives

- ☐ 38 credits of general electives

University Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above.



DISTANCE EDUCATION

SECOND DEGREE

UNOFFICIAL BACCALAUREATE CHECKSHEET

MARINE BIOLOGY & SUSTAINABLE AQUACULTURE

Student Name

Total Transfer Credits Checksheet Date

MARINE BIOLOGY & SUSTAINABLE AQUACULTURE PROGRAM

The B.S. in Marine Biology and Sustainable Aquaculture prepares students for a broad range of careers helping protect, preserve, maintain, and grow marine organisms and environments. Graduates can obtain employment immediately after graduation with private firms, aquariums, and various government agencies as marine animal trainers, aquaculture scientists, and fisheries technicians. This degree provides students with a broad emphasis on both marine biology and aquaculture and encompasses coursework with the rigor to prepare students for further study in graduate school or even starting their own aquaculture enterprise.

GRADUATES WILL BE ABLE TO:

- + Explain the underlying biological principles and functioning of marine and aquatic organisms at structural levels ranging from molecular to ecosystem.
- + Choose and implement appropriate Laboratory and field techniques used in marine organismal observation, research, management, and care, including those in wild, cultured, and farmed settings.
- + Compare and contrast the major types and components of aquaculture systems, species, and factors as they relate to both environmental and systematics sustainability.
- + Create local, regional, and global solutions to environmental problems in marine biology and aquaculture.
- + Critically evaluate information using scientific and quantitative reasoning skills.

General Education Core

- ☐ **BIOL 103** Biology: Foundations of Life
- ☐ **BIOL 104** Biology: Foundations of Life Laboratory (1cr)
- ☐ **BIOL 105** Biological Diversity, Ecology, and Evolution
- ☐ **BIOL 106** Biological Diversity, Ecology, and Evolution Laboratory (1cr)
- ☐ **MATH 201** Statistics for Environmental Professionals

Environmental Professional Core

- ☐ **EVPC 100** Ecoliteracy (1cr)

3 CREDITS OF ENVIRONMENTAL ISSUES (FROM THE LIST BELOW):

- ☐ **EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation
- ☐ **EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste
- ☐ **EVPC 210** Environmental Issues: Ocean Acidification (1cr)
- ☐ **EVPC 211** Environmental Issues: Forever Chemicals (1cr)
- ☐ **EVPC 212** Environmental Issues: Light and Noise Pollution (1cr)
- ☐ **EVPC 213** Environmental Issues: Climate Refugee Crisis (1cr)

- ☐ **EVPC 301** Environmental Justice OR **EVPC 305** Building a Better World: Ethical Decision-Making
- ☐ **EVPC 401** Transformational Leadership
- ☐ **EVPC 490** Transdisciplinary Capstone

* All courses are 3 credits unless otherwise noted.



DISTANCE EDUCATION

SECOND DEGREE

UNOFFICIAL BACCALAUREATE CHECKSHEET MARINE BIOLOGY & SUSTAINABLE AQUACULTURE

Program Core

- ☐ **BIOL 203** Ecological Principles: Applications to Conservation and Wildlife
- ☐ **CHEM 101** Chemistry I
- ☐ **CHEM 102** Chemistry I Laboratory (1cr)
- ☐ **MBAQ 105** Introduction to Oceanography
- ☐ **MBAQ 201** Form and Function of Unique Marine Ecosystems
- ☐ **MBAQ 203** Global Diversity of Freshwater and Marine Resources Used in Sustainable Harvest
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- ☐ **MBAQ 303** Sustainable Aquaculture Techniques II: Crustaceans and Pathobiology
- ☐ **MBAQ 307** Ichthyology and Fish Health
- ☐ **MBAQ 310** Marine Mammal and Seabird Biology*
- ☐ **MBAQ 315** Diversity of Marine and Aquatic Vegetation*
- ☐ **MBAQ 401** Field Research in Marine Biology and Aquaculture*

62 credits will be met by a Second Degree Transfer Block.

*Includes hands-on Laboratory or field component option

University Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above.