

Marine Biology, MS

The MS in Marine Biology provides students the opportunity to study marine biology in three distinct environments at three world-renowned research facilities in New England, the Caribbean, and the Pacific Northwest. An internship in the field and independent research project provide the capstone to the fifteen-month graduate program.

Much more than course work in a classroom, the MS in Marine Biology delivers inquiry-based curriculum in marine science during which our students formulate research questions, design and conduct critical experiments, and interpret and present results. You will have an opportunity not only learn science, you have an opportunity to learn how to do science and become a marine scientist.

This program is for students eager to broaden their knowledge of marine biology or who want to further refine their interests.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Students register for International Study—Three Seas Program (ABRS 5120) for the fall and spring terms of year 1.

| Code | Title | Hours |
|---|--|-------|
| Seminar | | |
| EEMB 5303 or EEMB 5305 | Marine Biology Careers Seminar Professional Development for Ocean Sciences | 1-2 |
| Biology | | |
| EEMB 5504 and EEMB 5505 | Biology of Corals and Lab for EEMB 5504 | 3 |
| EEMB 5506 and EEMB 5507 | Biology and Ecology of Fishes and Lab for EEMB 5506 | 3 |
| EEMB 5508 | Marine Birds and Mammals | 3 |
| EEMB 5518 and EEMB 5519 | Ocean and Coastal Processes and Lab for EEMB 5518 | 3 |
| EEMB 5533 and EEMB 5535 | Marine Invertebrate Zoology and Botany and Lab for EEMB 5533 | 3 |
| Sustainability | | |
| EEMB 5538 | Conservation and Restoration of Marine Systems | 3 |
| EEMB 5542 | Marine Spatial Planning | 4 |
| EEMB 5546 | Sustainability of the Land-Sea Interface | 3 |
| Ecology | | |
| EEMB 5520 | Tropical Marine Ecology | 2 |
| EEMB 5522 or EEMB 5525 | Experimental Design Marine Ecology Advanced Field Methods in Marine Ecology | 3-4 |
| EEMB 5540 and EEMB 5541 | Changing Global Oceans and Lab for EEMB 5540 | 3 |
| Research | | |
| EEMB 5589 | Diving Research Methods | 2 |
| Take the following (repeatable) course twice: | | 2 |
| EEMB 7674 | Marine Biology Research Project | |

Program Credit/GPA Requirements

40 total semester hours required

Minimum 3.000 GPA required

Plan of Study

Fall Start

| Year 1 | | | | | |
|-----------|-------|------------------------------|-------|----------------------|-------|
| Fall | Hours | Spring | Hours | Summer Full Semester | Hours |
| EEMB 5305 | | 2 EEMB 5504 and EEMB 5505 | | 3 EEMB 7674 | 1 |

2 Marine Biology, MS

| | | |
|----------------------------|------------------------------|-----------|
| EEMB 5522 | 4 EEMB 5506 and EEMB 5507 | 3 |
| EEMB 5589 | 2 EEMB 5508 | 3 |
| EEMB 5546 | 3 EEMB 5518 and EEMB 5519 | 3 |
| EEMB 5542 | 4 EEMB 5520 | 2 |
| EEMB 5533 and EEMB 5535 | 3 EEMB 5538 | 3 |
| | EEMB 5540 and EEMB 5541 | 3 |
| 18 | | 20 |
| | | 1 |

Year 2

| Fall | Hours |
|-----------|-------|
| EEMB 7674 | 1 |
| 1 | |

Total Hours: 40

Summer II Start

Year 1

| Summer 2 | Hours |
|-----------|-------|
| EEMB 5546 | 3 |
| EEMB 5589 | 2 |
| EEMB 5525 | 3 |
| 8 | |

Year 2

| Fall | Hours | Spring | Hours | Summer Full Semester | Hours |
|----------------------------|-------|--------------------|-------|----------------------|-------|
| EEMB 5508 | 3 | EEMB 5542 | 4 | EEMB 7674 | 1 |
| EEMB 5538 | 3 | EEMB 5305 | 2 | | |
| EEMB 5504 and EEMB 5505 | 3 | MES Elective 5000+ | 4 | | |
| EEMB 5533 and EEMB 5535 | 3 | | | | |
| EEMB 5506 and EEMB 5507 | 3 | | | | |
| EEMB 5518 and EEMB 5519 | 3 | | | | |
| EEMB 5520 | 2 | | | | |
| 20 | | 10 | | 1 | |

Year 3

| Fall | Hours |
|-----------|-------|
| EEMB 7674 | 1 |
| 1 | |

Total Hours: 40