MARINE BIOLOGY AND
COASTAL SCIENCES MAJOR
(B.S.)

120 credits of coursework is required for the baccalaureate degree with a minimum 2.0 overall GPA, and a minimum 2.0 major GPA.

Program Requirements
Students must complete General Education requirements (http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/ general-ed-ba-bs/) and World Languages and Cultures Requirements (http://catalog.montclair.edu/undergraduate-graduate-degree-requirements/world-languages-cultures-requirement/).

Major Requirements

Code | Title | Credits
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AQUA 351 | Aquatic Biological Processes | 4
BIMS 220 | Introduction to Marine Biology | 4
BIOL 113 | Principles of Biology II | 4
BIOL 213 | Introduction to Ecology | 4
EAES 105 | Physical Geology | 4
EAES 230 | Hydrology | 3
EAES 322 | Environmental Geochemistry | 3

Select one of the following:

- AQUA 495 | Research in Aquatic and Coastal Sciences | 4
- BIMS 490 | Field Methods in the Marine Sciences | 4
- BIOL 418 | Biology Independent Research | 4
- EAES 494 | Independent Study in Geoscience | 4

Major Electives
Select three courses from the list (see below) 8-12

Collateral Requirements

Chemistry Collateral

Code | Title | Credits
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CHEM 120 | General Chemistry I | 4
CHEM 121 | General Chemistry II | 4
CHEM 230 | Organic Chemistry I | 3
CHEM 232 | Experimental Organic Chemistry I | 2

Physics Collateral
Select one of the following sequences: 8

- PHYS 191 & PHYS 192 | University Physics I and University Physics II |
- PHYS 193 & PHYS 194 | College Physics I and College Physics II |

Mathematics Collateral
Select one of the following sequences: 8

- MATH 111 & AMAT 120 | Applied Precalculus and Applied Calculus A |
- MATH 122 & MATH 221 | Calculus I and Calculus II |

Statistics Collateral

Code | Title | Credits
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STAT 230 | Data Science and Statistics | 3

Total Credits 70-74