

# Marine Sciences

How can I succeed with this major?



RIDER  
UNIVERSITY

## MARINE BIOLOGY, BIOLOGICAL OCEANOGRAPHY

### What can I do with this major?

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- Marine ecology
- Fisheries science
- Marine biotechnology
- Marine microbiology
- Aquaculture
- Environmental biology
- Marine toxicology
- Aquarium curation

## OCEANOGRAPHY

### What can I do with this major?

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- Chemical oceanography (toxicology, nutrient and carbon cycling, natural products chemistry)
- Geological oceanography (coastal geology, seismology, ocean mining, oil and gas)
- Physical, geophysical, and geochemical oceanography

## EDUCATION

### What can I do with this major?

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- K-12 Teacher
- Marine and environmental educator
- Travel guide, Eco-tourism provider
- Park ranger

## RELATED FIELDS

### What can I do with this major?

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- Marine resource management
- Marine veterinary medicine
- Marine meteorology
- Marine archaeology
- Science writing
- Ocean engineering (naval or marine architect, environmental engineer)
- Maritime or environmental law and policies
- Seagoing careers (captain, mate, technician, Coast Guard)

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## Where do I want to work?

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- Government agencies (federal, state, local)
- Colleges & Universities
- Analytical laboratories
- Environmental consulting firms
- Aquaria
- Aquaculture facilities and companies
- Zoos
- Museums
- Nature centers
- Parks
- Public and private schools, K-12 (education degree required)
- Non-Governmental Organizations
- Private industry
- Petroleum companies
- Pharmaceutical companies

## How to get there...

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- Be actively engaged in all your math and science courses to acquire a solid base in these fields.
- Develop effective oral and written communication skills.
- Gain extensive laboratory and research experience.
- Gain work experience in your area of interest through internships, summer jobs, part-time work, or volunteering
- Secure strong relationships and personal recommendations from professors and/or employers.

## Tips: FYI

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- Marine Sciences is a large and diverse field with numerous pathways that can lead to your career goals, so be flexible.
- A bachelor's degree may be sufficient for entry-level positions, while additional certifications and/or an advanced degree may be required for other positions.
- A teaching certification is required for K-12 schoolteachers, and a Ph.D. is needed for teaching at the university and college level.

FOR MORE INFORMATION

**Terri Marriott 609-895-5454 / [marriott@rider.edu](mailto:marriott@rider.edu) or Lauren Nicolosi 609-896-52712 / [lnicolosi@rider.edu](mailto:lnicolosi@rider.edu)**