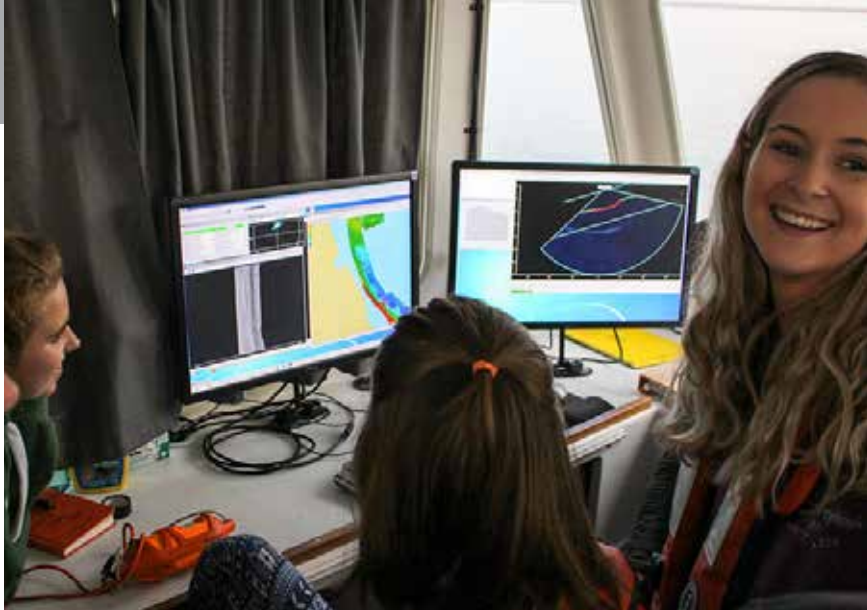




MARINE SCIENCE Program

stockton.edu/nams

STOCKTON | SCHOOL OF NATURAL
UNIVERSITY | SCIENCES & MATHEMATICS



Marine Science Program | MARS

ABOUT THE PROGRAM

Stockton University is located adjacent to the Jacques Cousteau National Estuarine Research Reserve (Mullica River-Great Bay estuary) and is one of only a few undergraduate institutions in the U.S. that offers a degree program in Marine Science alongside a dedicated field facility (Stockton Marine Field Station) www.stockton.edu/marine. With direct access to the Field Station only 10 minutes away, the program is well situated to support hands-on learning and undergraduate research opportunities that provide students with the vocational field and marine operations skills employers seek.

Stockton's **Marine Science (MARS) program** encompasses two general areas of study: Marine Biology and Oceanography. A number of field and laboratory courses, seminars, independent studies, internships, and research team opportunities are offered, with a strong emphasis on gaining experience in the field. The program is interdisciplinary and includes coursework in several areas of science. Upper-level students can implement their own independent study projects and are strongly encouraged to present results at internal research symposia, and regional conferences. Teacher (K-12) and GIS certifications are available through affiliated Stockton programs.

The Marine Sciences tracks of study:

Marine Biology, BA and BS, Oceanography, BA and BS

Program Highlights

- Small course sections taught primarily by full-time faculty (not by graduate assistants).
- Every student is assigned a faculty member as their academic adviser (preceptor)
- Faculty encourage and supervise internships and research projects.
- Numerous field-related volunteer and employment opportunities in the area.

Marine Field Station

- Facility provides easy access to the pristine Mullica River-Great Bay estuary.
- A fleet of five research vessels with estuarine and ocean capabilities.
- Modern instrumentation including Multibeam Sonar; Side-scan Sonar; Remotely Operated



Vehicle; Magnetometer; Aerial Drones, Mobile LiDAR; Acoustic Doppler Current Profilers; Multiparameter water monitoring instruments; All basic oceanographic/estuarine sampling needs.

- Student employment and internship opportunities.
- Site of the Coastal Research Center that provides students intern opportunities for coastal zone survey experiences.

In addition to the University's general education requirements, Marine Science majors are expected to complete the following courses:

The BS requires 80 credits in Core Courses. The BA requires 64 credits in Core Courses. These courses include:

- Introduction to Marine Biology, Introduction to Oceanography, Marine Science Methods, Marine Science Seminar, Chemistry I and Chemistry II with labs, Physics I and II with labs.

Additional courses are taken to fulfill the degree requirements and may be chosen in consideration of a specific concentration or focus. These courses include:

Marine Biology Concentration:

Cells & Molecules with lab, Biodiversity & Evolution with lab, Precalculus, Biostatistics, Ecology, Invertebrate Zoology, Marine Botany, Marine Mammalogy, Introduction to Ichthyology, Aquaculture, Fisheries Science & Management, Marine Conservation Ecology, and upper level Oceanography courses.

Oceanography Concentration:

Chemistry IV with lab, Calculus I & II, Data Methods in Marine Science, Geographic Information Systems, Physical Geology, Biological Oceanography, Coastal Oceanography, Coastal Processes, Global Ocean Basins.

Marine Science Majors may also choose from specialty upper level courses, such as:

Deep Sea Biology, Marine Chemistry Laboratory, Underwater Archaeology, Special Topics in Marine Science, or a student-designed independent study

FOR ADDITIONAL INFORMATION

Anna Pfeiffer-Herbert, Marine Science Chair

Anna.Pfeiffer-Herbert@stockton.edu | 609.626.3484



stockton.edu/nams

FOR INFORMATION ABOUT THE PROGRAM:

STOCKTON UNIVERSITY | Marine Science Program

101 Vera King Farris Drive, Unified Science Center, Suite 240,
Galloway NJ 08205-9441

nams@stockton.edu | 609.652.4546



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Stockton is an AA/EQ institution.