UNIVERSITY of SAN CARLOS
SCIENTIA • VIRTUS • DEVOTIO

BS MARINE BIOLOGY

BACHELOR OF SCIENCE
Marine Biology

Marine Biology, as a discipline, finds its role in the creation of human resource that will steward the vast marine resources of the Philippines, which has the 5th longest coastline in the world (36,289 Kilometers) and strategically located in the heart of the Coral Triangle.

More importantly, the Philippines' global recognition as the marine resource in food, medicine, tourism, materials, energy, climate, security and pharmaceuticals should be acknowledged.

The Bachelor of Science in Marine Biology (BS M BIO) program aims to develop graduates that will have a clear recognition and understanding of the dynamics of the marine life and its ecosystem through actual field or hands-on experience which will provide the foundations for future careers in marine biology, conservation, oceanography, biomedicine, molecular biology, university teaching, fisheries, etc.

The Program in Marine Biology builds competencies for these jobs:

- Marine Biologists
- Fisheries Management Officers
- Coastal Resource Managers
- Fisheries Technologists
- Project Development Officers
- Aquaculture & Mariculture Specialists
- Science Research Specialists
- University Professors

CORE COURSES

- General Physiology
- Cell and Molecular Biology
- General Ecology
- General Oceanography
- Genetics
- Chemical Oceanography
- Development & Reproductive Biology
- Introduction to Marine Botany
- Marine Invertebrates
- Marine Vertebrates
- Elements of Research
- Marine Ecology
- Coral Reefs
- Coastal Resources Management
- Marine Microbiology & Fungi
- Systematics, Biodiversity & Evolution
- Biophysics I & II
- Integrative Calculus
- Inorganic Chemistry
- Organic Chemistry
- Analytical Chemistry
- BioStatistics
- BioChemistry
- Earth Science
- BioCalculus

ELECTIVE COURSES

- Marine BioTechnology
- Marine Plankton
- Introduction to Mariculture & Management

THESIS AND PRACTICUM COURSES

- Practicum
- Thesis

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