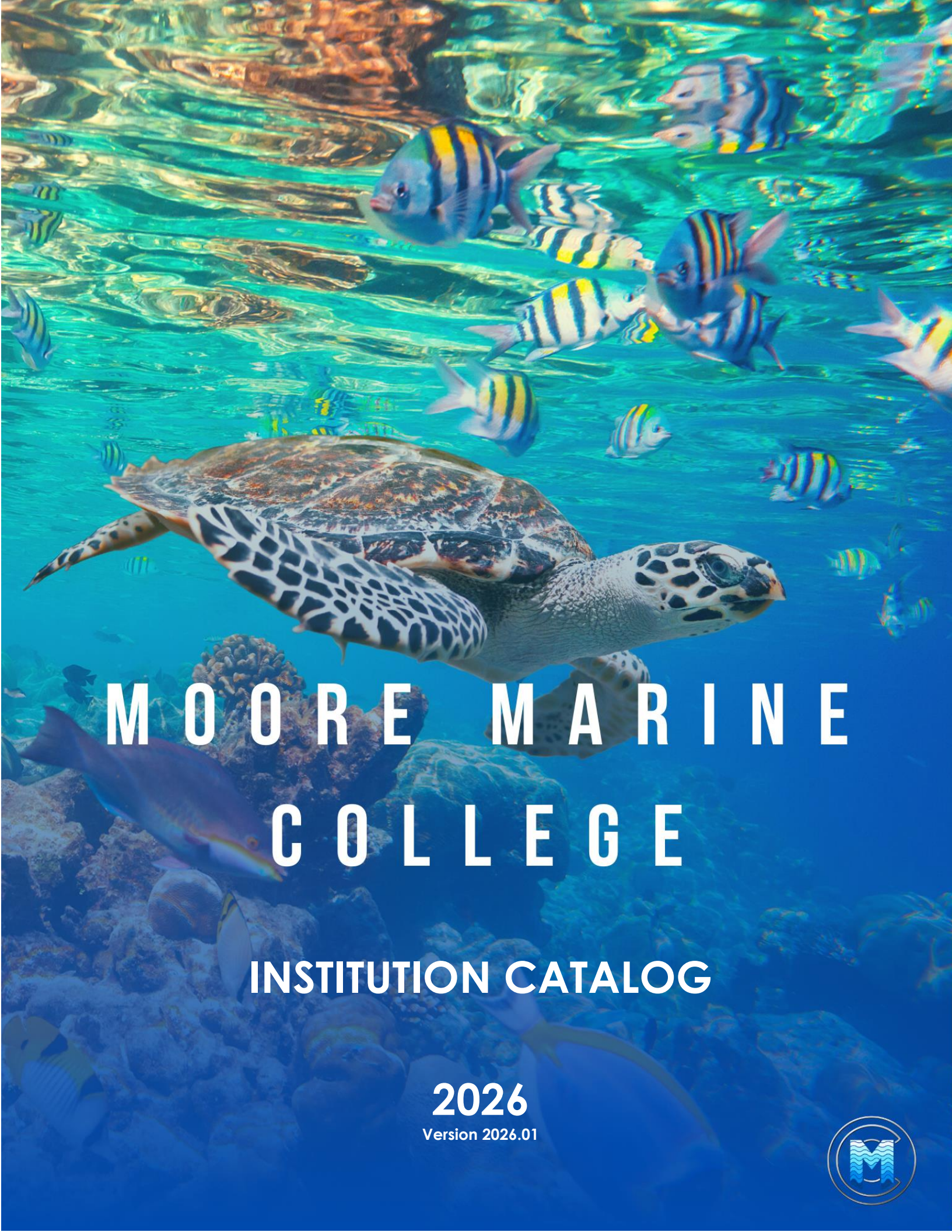

MOORE MARINE COLLEGE

INSTITUTION CATALOG

2026

Version 2026.01

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Institution Overview

Mission Statement

It is the mission of Moore Marine College to provide a comprehensive education complete with a combination of academics, real world training, and field work experience to ensure our students are the most sought after and prepared candidates for both careers and higher education. Moore Marine College strives to develop an inclusive campus that welcomes anyone from any background who possesses a passion for our marine world.

Moore Marine College offers programs that focus on the science and understanding of marine biodiversity. The following programs are offered:

- Bachelor of Science in Marine Biology
- Bachelor of Science in Marine Conservation
- Master of Science in Marine Biology

The Facility

The institution is located in the city of Clearwater at 2240 Belleair Road, Suite 204, measuring 3319 square feet. The facility contains two classrooms, three offices, two labs (one biological and one chemical), a conference room, and a break room for both faculty and students. This space will be occupied by on-site Florida staff personnel who will maintain the office and student records for all Moore Marine College students, personnel related to student enrollment and field training experience coordinators that help schedule, manage, and oversee externship performance. Moore Marine College provides its instruction through hybrid methods, using both on-site and online teaching methods.

Moore Marine College Facility

Library Resources

The Institution offers the online library from the Aquinas Network. A hosted on-line service featuring academic search capabilities. The library collection provides students with access to peer-reviewed and full-text journal, magazine, and newspaper articles, e-books, podcasts, audio, and video resources to support their academic studies.
Students will also have the opportunity to find material from a variety of libraries along with the assistance of our librarian.

The librarian is available to help students with their research strategies and offer helpful tips for locating sources needed to complete projects. To access the library, students will be emailed a login and password for the library after they have been successfully enrolled in a program of study.

Learning Management System

The institute will provide online education utilizing the Populi LMS system, which has become one of the top LMS companies delivering online education to students. Populi LMS is an easy to- use cloud-based platform that delivers its educational programs.

Populi allows interaction between students and faculty, course assignment posting, interaction in both synchronous and asynchronous learning models, testing, grading and attendance tracking. The unique design of Populi LMS promotes state of the art audio, video in high definition and streaming without interruption or pauses at all internet bandwidths.

Nondiscrimination Statement

This institution is committed to providing equal opportunities to all applicants to programs and to all applicants for employment. Therefore, no discrimination shall occur in any program or activity of this institution, including activities related to the solicitation of students or employees on the basis of race, color, religion, religious beliefs, national origin, sex, sexual orientation, marital status, pregnancy, age, disability, veteran's status, or any other classification that precludes a person from consideration as an individual. Any such acts are unacceptable and strictly prohibited by Moore Marine College.

Marine Biology, B.S.

Moore Marine College's Marine Biology program seeks to prepare future marine biologists being well-rounded, personally, and professionally. Marine Biologists will learn skills that they will use in their professional lives. It is a program focused not only on providing academic tools, but also including at least 60 hours of hands-on field experience per semester. If you feel passionate about marine science and hope to find a job on the water and make a difference for our oceans, this is the degree for you.

The Marine Biology bachelor allows students to specialize in the biology and ecology of marine organisms and ecosystems. Marine ecosystems have experienced changes from climate change and other human activity elevating the importance of this emerging area, critical to the future of ocean health, ecosystem services, global food, and economic security. Students engage in cutting edge research with a world class faculty and get out into the field to study natural processes and marine biodiversity. Students also will gain problem-solving, decision-making, and critical thinking, deep knowledge, real skills that will prepare you for an upcoming competitive job market or further study and research.

Upon completion of the program, a Bachelor of Science in Marine Biology degree is awarded.

Program Objectives

- Acquire the understanding of the field, analytical methodologies and software tools required to efficiently generate usable research information that will be used for NGO´s, government entities and academics.
- Develop awareness of respect for the environment and a commitment to the social and scientific development of the sector.
- Able to apply knowledge and abilities to keep learning and adapting to new challenges for marine organisms and their relationship with humans.
- Provide students with a solid foundation in cutting-edge approaches for learning, including the different areas in marine biology.
- Develop problem-solving and decision-making skills and understanding of data mining, machine learning, visualization techniques, predictive modelling, and statistics, as well as other major technologies in data science and business analytics.

Program Length: 120 Semester Credits

Program Courses

Required Core Courses: delivered in person.

BIO 2000	General Biology II, 3 credits
CHM 2300	Organic Chemistry, 3 credits
CHM 2300L	Organic Chemistry Lab, 1 credit
CHM 2400	Biochemistry, 3 credits
CHM 2400L	Biochemistry Lab, 1 credit
BIO 2500	Microbiology, 3 credits
STA 1000	Statistics I: Statistical Methods, 3 credits
STA 2600	Statistic II, 3 credits
MBO 3000	Introduction to Marine Biology, 3 credits
MAR 3100	Marine Ecology, 3 credits
MBO 3200	Marine Ecosystems, 3 credits
MBO 3300	Ichthyology, 3 credits
MBO 3300P	Ichthyology Field Lab, 1 credit
MBO 3400	General Marine Botany, 3 credits
MBO 3500	General Marine Botany Lab, 1 credit
MAR 3600	Fisheries, 3 credits
MAR 3600L	Fisheries Field Lab, 1 credit
MAR 3700	GIS, 3 credits
MBO 3800	Marine Vertebrate, 3 credits
MBO 3800L	Marine Vertebrate Field Lab, 1 credit
MBO 3900	Marine Invertebrate, 3 credits
MBO 3900L	Marine Invertebrate Field Lab, 1 credit
MBO 4000	Scientific Communication, 3 credits
MBO 4100	Marine Mammals Biology, 3 credits
MBO 4200	Advanced Marine Biology, 3 credits
MBO 4300	Genetics, 3 credits
MBO 4300L	Genetics Lab, 1 credit
MBO 4400	Biodiversity, 3 credits
MBO 4500	Oceanography, 3 credits
MBO 4500L	Oceanography Field Lab, 1 credit
MBO 4600	Elasmobiology, 3 credits
MBO 4600L	Elasmobiology Field Lab, 1 credit
MBO 4700	Coral Reefs, 3 credits
MBO 4800	R for Statistics, 3 credits
MBO 4801	Marine Field Internship I, 3 credits
MBO 4802	Marine Field Internship II, 3 credits
MBO 4803	Marine Field Internship III, 3 credits
MBO 4900	Independent Research Project I, 2 credits
MBO 4950	Independent Research Project II, 2 credits

Total Core Courses Credits: 95 credits available (Must complete 84 credits selected out of the 95 listed as available.

Required General Education Courses: delivered in person and online.

ENG 1000	English Composition, 3 credits
ENG 2000	Scientific and Research Writing, 3 credits
SPN 1000	Spanish, 3 credits
SPN 2000	Spanish 2, 3 credits
LAT 1000	Latin, 3 credits
ETH 1000	Ethics, 3 credits
MAT 1000	College Algebra, 3 credits
HUM 1000	Introduction to Humanities, 3 credits
PHL 1000	Introduction to Philosophy, 3 credits
PSY 1000	Introduction to Psychology, 3 credits
BIO 1000	General Biology I, 3 credits
PYS 2100	Fundamental of Physics, 3 credits
CHM 2200	General Chemistry, 3 credits
CHM 2200L	General Chemistry Lab, 1 credit

Total General Education Credits: Must complete 36 credits selected out of the 40 listed as available.

Marine Conservation, B.S.

Moore Marine College's Marine Conservation program seeks to prepare future marine conservationists to be well-rounded, personally, and professionally. Marine Biologists will learn skills that they will use in their professional lives. Humans leave a footprint on the world, and because of the accelerated growth population there is an increasing need for conservation biologists to protect it. If you feel passionate about marine science, conservation, and hope to find a job on the water and make a difference for our oceans, this is the degree for you.

Marine Conservation bachelor is appropriate for students who love being involved in environment-related policy making, in the implementation of CITES, IUCN, CMS, and the development of the scientific and technical work required at academic and executive level. Students will successfully compete for careers in state and federal government agencies such as the U.S. Forest Service, U.S. Fish and Wildlife Service, Departments of Environmental Protection and Agriculture, National Park Service, county, and state health agencies, as well as non-government organizations and environmental consulting firms. Students will be trained to understand biodiversity and identify solutions to potential conflicts between humans and marine resources. Students also will gain problem-solving, decision-making, and critical thinking, deep knowledge, real skills that will prepare you for an upcoming competitive job market or further study and research.

Upon completion of the program, a Bachelor of Science in Marine Conservation degree is awarded.

Program Objectives

- Build the concept of biodiversity at all organizational levels (particularly at population, species, and ecosystems levels).
- Acquire the Scientific bases and methodologies for identifying and solving problems that hinder proper implementation of conservation (depending on the context and the species).
- Develop skills for administrative, legislative and enforcement aspects of implementation for CITES, CMS, IUCN. Also, biological, and trade-related criteria for listing species in CITES.
- Learn to evaluate population survey techniques. Population biology, conservation, and management of CITES-listed fauna.
- Apply geographic information systems and spatial data to the study of the current and potential distribution of species and assessment of habitat suitability.
- Provide students with broad knowledge in Wildlife recovery plans and sustainable management programs and techniques for negotiating multilateral environmental agreements and environmental governance.

Program Length: 120 Semester Credits

Program Courses

Required Core Courses: delivered in person.

BIO 2000	General Biology II, 3 credits
CHM 2300	Organic Chemistry, 3 credits
CHM 2300L	Organic Chemistry Lab, 1 credit
CHM 2400	Biochemistry, 3 credits
CHM 2400L	Biochemistry Lab, 1 credit
BIO 2500	Microbiology, 3 credits
STA 1000	Statistics I: Statistical Methods, 3 credits
STA 2600	Statistic II, 3 credits
MRC 3000	Introduction to Marine Conservation, 3 credits
MAR 3100	Marine Ecology, 3 credits
MRC 3200	Marine Protected Areas, 3 credits
MAR 3300	Marine Ecosystems, 3 credits
MRC 3400	Conservation Biology, 3 credits
MRC 3500	Marine Management Conservation, 3 credits
MAR 3600	Fisheries, 3 credits
MAR 3600L	Fisheries Field Lab, 1 credit
MAR 3700	GIS, 3 credits
MRC 3800	Facilitating Species Conservation Tools, 3 credits
MRC 3900	Conservation and Restoration of Marine Biodiversity, 3 credits
MRC 3950	Marine Spatial Ecology, 3 credits
MRC 4000	Introduction to Ecological Modelling, 3 credits
MRC 4100	Conservation in Marine Predators, 3 credits
MRC 4100L	Conservation in Marine Predators Field Lab, 1 credit
MRC 4200	RFMOs: How their work in Conservation, 3 credits
MRC 4300	Management and Conservation of Species in Trade and Not Trade, 3 credits
MRC 4400	Ecosystem Based Management, 3 credits
MRC 4500	Ecotourism, 3 credits
MRC 4600	Anthropogenic Impacts in Marine Environments, 3 credits
MRC 4700	Human dimension in Conservation, 3 credits
MRC 4800	IUCN: Red List, 3 credits
MBO 4801	Marine Field Internship I, 3 credits
MBO 4802	Marine Field Internship II, 3 credits
MBO 4803	Marine Field Internship III, 3 credits
MRC 4900	Marine Conservation Project I, 2 credits
MRC 4950	Marine Conservation Project II, 2 credits

Total Core Courses Credits: 95 credits available (Must complete 84 credits selected out of the 95 listed as available.

Required General Education Courses: delivered in person and online.

ENG 1000	English Composition, 3 credits
ENG 2000	Scientific and Research Writing, 3 credits
SPN 1000	Spanish, 3 credits
SPN 2000	Spanish II, 3 credits
LAT 1000	Latin, 3 credits
ETH 1000	Ethics, 3 credits
MAT 1000	College Algebra, 3 credits
HUM 1000	Introduction to Humanities, 3 credits
PHL 1000	Introduction to Philosophy, 3 credits
PSY 1000	Introduction to Psychology, 3 credits
BIO 1000	General Biology I, 3 credits
PYS 2100	Fundamental of Physics, 3 credits
CHM 2200	General Chemistry, 3 credits
CHM 2200L	General Chemistry Lab, 1 credit

Total General Education Credits: Must complete 36 credits selected out of the 40 listed as available.

Marine Biology, M.S.

Moore Marine College's Marine Biology master´s program seeks to prepare researchers with the cognitive, ethical, and communicative skills required for efficient performance in the global advancement of marine sciences and technology related to the area, as well as to sustainable development that acts as a viable and necessary management alternative, fulfilling a social role of vital importance to the communities. The labor field of the graduate extends to those state entities dedicated to ensuring the management and conservation of natural resources such as U.S. Forest Service, U.S. Fish and Wildlife Service, Departments of Environmental Protection and Agriculture, National Park Service, county, also public and private universities leading teaching and research processes in a different sector of marine sciences.

Upon completion of the program, a Master of Science in Marine Biology degree is awarded.

Program Objectives

- To educate highly qualified professionals to work in areas related to the understanding of the problems of marine biodiversity, and to contribute to the knowledge of the conservation and adequate use of marine resources, under the principles of environmental sustainability.
- Provide an integral vision of the functioning of marine biodiversity.
- Contribute updated and innovative methodological tools for the development of projects that promote the conservation and management of resources (biodiversity).
- Provide competencies and skills in the modeling, functioning, valuation and alternative use (conservation and management) of biodiversity.
- Develop skills for creative participation in multidisciplinary teams that make up research groups.

Program Length: 60 Semester Credits

Program Courses

Required Core Courses: delivered in person.

MSB 6000	Marine Ecosystems, 3 credits
MSB 6001	Scientific Communication, 3 credits
MSB 6002	Advanced Marine Biology, 3 credits
MSB 6003	Biodiversity, 3 credits
MSB 6004	Ichthyology, 3 credits
MSB 6004L	Ichthyology Field Lab, 1 credit
MSB 6005	Fisheries, 3 credits
MSB 6005L	Fisheries Field Lab, 1 credit
MSB 6006	Oceanography, 3 credits
MSB 6006L	Oceanography Field Lab, 1 credit
MSB 6007	R for Statistics, 3 credits
MSB 6009	Tropical Marine Biology, 3 credits
MSB 6015	Data Analysis, 3 credits
MSB 6016	Marine Physiology, 3 credits
MSB 6100	Marine Ecology, 3 credits
MSB 6200	Thesis Seminar I, 1 credit
MSB 6300	Thesis Seminar II, 1 credit
MSB 6400	Thesis Seminar III, 1 credit
MSB 6500	Thesis Seminar IV, 1 credit
MSB 6600	Thesis Project I, 2 credits
MSB 6700	Thesis Project II, 2 credits
MSB 6800	Thesis Project III, 2 credits
MSB 6900	Thesis Project IV, 2 credits

Total Core Courses Credits: 51 credits

Elective Courses (9 credits): delivered in person.

MBO 4801	Marine Field Internship I, 3 credits
MBO 4802	Marine Field Internship II, 3 credits
MBO 4803	Marine Field Internship III, 3 credits
MSB 6011	Reef Coral Biology, Ecology & Conservation, 3 credits
MSB 6012	Stable Isotopes in Marine Ecology, 3 credits
MSB 6013	Climate Change, 3 credits
MSB 6014	Invasive Marine Species, 3 credits
MSB 6017	Anthropogenic Impacts in Marine Environments, 3 credits

Total Elective Credits: 9 credits - Must complete 9 credits selected out of the 24 listed as available.

Field Training Experience

Moore Marine College holds an affiliation agreement with Coastal Marine Education and Research Academy (C.M.E.R.A) in Clearwater, Florida. This partnership will allow Moore Marine College students to access C.M.E.R.A. Internship Sites to obtain on-site educational experiences. While onsite, students will be present with a Moore Marine College instructor who will be a direct supervisor to ensure proper policies and procedures, attendance, and general guidance are followed. During your filed training experience, the faculty will complete an "Internship Evaluation Form" that outlines performance onsite and the hours complete.

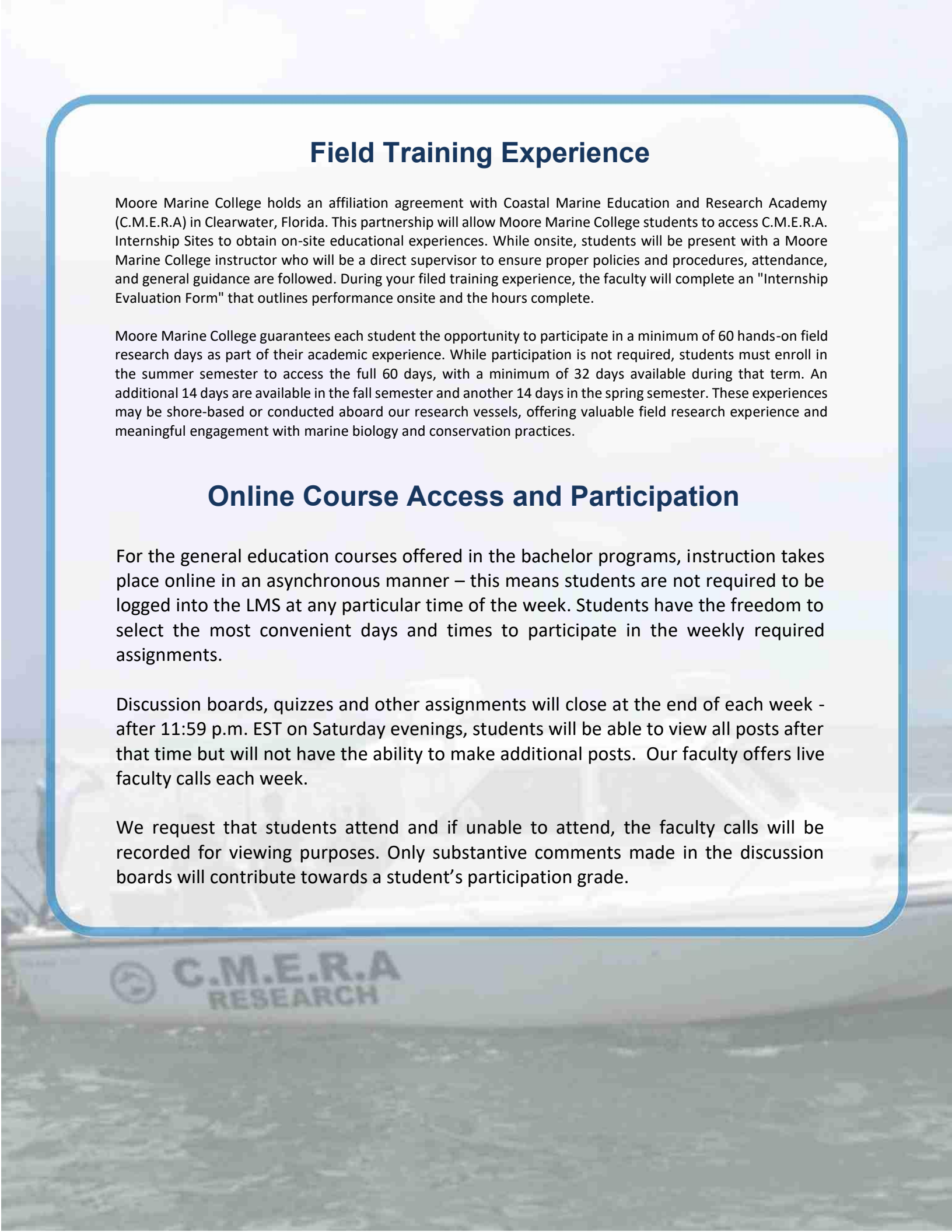
Moore Marine College guarantees each student the opportunity to participate in a minimum of 60 hands-on field research days as part of their academic experience. While participation is not required, students must enroll in the summer semester to access the full 60 days, with a minimum of 32 days available during that term. An additional 14 days are available in the fall semester and another 14 days in the spring semester. These experiences may be shore-based or conducted aboard our research vessels, offering valuable field research experience and meaningful engagement with marine biology and conservation practices.

Online Course Access and Participation

For the general education courses offered in the bachelor programs, instruction takes place online in an asynchronous manner – this means students are not required to be logged into the LMS at any particular time of the week. Students have the freedom to select the most convenient days and times to participate in the weekly required assignments.

Discussion boards, quizzes and other assignments will close at the end of each week - after 11:59 p.m. EST on Saturday evenings, students will be able to view all posts after that time but will not have the ability to make additional posts. Our faculty offers live faculty calls each week.

We request that students attend and if unable to attend, the faculty calls will be recorded for viewing purposes. Only substantive comments made in the discussion boards will contribute towards a student's participation grade.



New Student Orientation

First-time students at Moore Marine College are provided with orientation materials to assist them with getting started with their first online course. The orientation material introduces the institution's policies and procedures, the online platform, the standards for academic conduct, and some tips and practices for being successful through your educational journey. The New Student Orientation is mandatory to complete by all new students.

The orientation session will review the following:

- Our Purpose and Objectives
- History
- Faculty Staff
- Grading Policy
- Course Grading
- Computer Requirements
- Field Training Experience
- Textbooks
- Course Structure
- Technical Requirements
- Communication
- Being On Time
- Billing
- Professionalism
- Student Checklist

Course Numbering System

Moore Marine College has adopted the following numbering system for courses offered in the programs:

a) Initial alphabets are abbreviated for the credential and program e.g. MBO 1000 – Bachelor's in marine biology, MRC 1000 – Bachelor's in Marine Conservation, and MSB 1000 – Master's in Marine Biology.

b) Last four digits are used for course sequencing.

Credit Hour Definition

A credit hour is typically defined by one hour per week of in class instruction, plus another two hours of study outside of class for 15 weeks. A credit hour consists of a minimum of fifteen (15) hours of instruction during a semester, plus a reasonable period of time outside of instruction which the institution requires a student to devote to preparation for learning experiences, such as preparation for instruction, study of course material, or completion of educational projects.

Course Description

Marine Biology, B.S. Core Course Description

STA 1000 – Statistics I: Statistical Methods (3)
Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests with applications in the real world. Students also have the opportunity to analyze data sets using technology. (Prerequisite: MAT 1000)

STA 2600 – Statistic II (3)
Mathematical derivation of standard statistical distributions along with their mean and variance, estimation and hypothesis testing of means, proportions, and variances, analysis of variance, simple and multiple linear regression, an analysis of count data: chi-square and contingency tables, and nonparametric methods. (Prerequisite: STA 1000)

BIO 2000 – General Biology II (3)
This course is a continuation of BIO 1000. Topics include evolution, biological diversity, plant structure and function, animal systems and development and reproduction, and introductory concepts of ecology. (Prerequisite: BIO 1000)

CHM 2300 – Organic Chemistry (3)
This course provides the student with the necessary background to understand the chemistry of carbon-containing compounds. Topics will include structure, stereochemistry, nomenclature, synthesis, properties, and reactions of the major classes of organic compounds. (Prerequisite: CHM 2000. Corequisite: CHM 2300L)

CHM 2300L – Organic Chemistry Lab (1)
This course provides the student with the necessary background to understand the chemistry of carbon-containing compounds. Topics will include structure, stereochemistry, nomenclature, synthesis, properties, and reactions of the major classes of organic compounds. (Prerequisite: CHM 2000L. Corequisite: CHM 2300)

CHM 2400 – Biochemistry (3)
Introduction to the study of chemistry, for students who have taken high school chemistry or CHEM 115, emphasizing structural and quantitative models of chemical behavior. Topics include bonding, thermochemistry, equilibrium, kinetics, and related applications. (Prerequisite: CHM 2300. Corequisite: CHM 2400L)

CHM 2400L – Biochemistry Lab (1)
Introduction to the study of chemistry, for students who have taken high school chemistry or CHEM 115, emphasizing structural and quantitative models of chemical behavior. Topics include bonding, thermochemistry, equilibrium, kinetics, and related applications. (Prerequisite: CHM 2300L. Corequisite: CHM 2400)

BIO 2500 – Microbiology (3)
This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. (Prerequisite: BIO 1000)

MBO 3000 – Introduction to Marine Biology (3)
This course provides a survey of the organisms and habitats found in the marine environment. This curriculum includes an overview of ecology, as well as the adaptations and behavioral strategies that are needed by marine organisms to survive the physical and chemical properties of the marine environment. The impact of the human population on the marine ecosystem and conservation of the ocean's resources are addressed. (Prerequisite: BIO 1000)

MAR 3100 – Marine Ecology (3)
Concepts and environmental characteristics (physical and chemical) that affect marine ecosystems. Fundamentals and factors that affect biodiversity, richness and biomass. Movements of matter and energy through producers and consumers. Marine biological interactions inter and intraspecific. Biological adaptations from the concepts of species, population and community. Biotic factors concerning their environment. (Prerequisite: BIO 3000)

MBO 3200 – Marine Ecosystems (3)
Fundamentals, structure, qualities and description of marine ecosystems around the world. Transition ecosystems such as mangroves, coastal lagoons and floodplains. Coastal ecosystems: coral reefs, seagrass beds, and sandboxes. Differences between coastal and oceanic pelagic environments, tropical, temperate and polar, superficial and deep waters. (Prerequisite: MBO 3000)

MBO 3300 – Ichthyology (3)
Main morphological description, biological aspects, distribution and ecology of marine fishes´ taxonomic classes and are part of Chondrichthyes, Agnatha, Osteichthyes, among others. The main features of each taxonomic level up to species are highlighted to reach an understanding of fish evolution. Field and laboratory practices for identification and study methods. (Prerequisite: MBO 3000, Corequisite: MBO 3300L)

MBO 3300L – Ichthyology Field Lab (1)
Main morphological description, biological aspects, distribution and ecology of marine fishes´ taxonomic classes and are part of Chondrichthyes, Agnatha, Osteichthyes, among others. The main features of each taxonomic level up to species are highlighted to reach an understanding of fish evolution. Field and laboratory practices for identification and study methods. (Prerequisite: MBO 3000, Corequisite: MBO 3300)

MBO 3400 – General Marine Botany (3)
A general survey of the plant kingdom. Introduction to plant anatomy, morphology, physiology, genetics, reproduction, classification, evolution and ecology. (Prerequisite: BIO 1000. Corequisite: MBO 3400L)

MBO 3400L – General Marine Botany Lab (1)
A general survey of the plant kingdom. Introduction to plant anatomy, morphology, physiology, genetics, reproduction, classification, evolution and ecology. (Prerequisite: BIO 1000. Corequisite: MBO 3400)

MAR 3600 – Fisheries (3)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Prerequisite: MBO 3300, Corequisite: MAR 3600L)

MAR 3600L – Fisheries Field Lab (1)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Prerequisite: MBO 3300, Corequisite: MAR 3600)

MAR 3700 – GIS (3)
Instruction about Geographic Information Systems. Management of basic concepts and applications regarding the Management of Maritime and Coastal Zones. Fundamentals of Ocean Management: accurate shoreline position, bathymetry and maritime boundaries. Application in the distribution of species and the management of fisheries. Practice in specialized GIS software. (Prerequisite: STA 1000)

MBO 3800 – Marine Vertebrate (3)
Main characteristics of chordates and the evolutionary transition to vertebrates. The transition from water to land. Morphological description, biology, ecological importance and systematic of marine vertebrates: Bony and cartilaginous fish, amphibians, reptiles, birds and mammals. Identification practices at lower taxonomic levels in the laboratory. Field trips for identification and monitoring. (Prerequisite: MBO 4200. Corequisite: MBO 3800L)

MBO 3800L – Marine Vertebrate Field Lab (1)
Main characteristics of chordates and the evolutionary transition to vertebrates. The transition from water to land. Morphological description, biology, ecological importance and systematic of marine vertebrates: Bony and cartilaginous fish, amphibians, reptiles, birds and mammals. Identification practices at lower taxonomic levels in the laboratory. Field trips for identification and monitoring. (Prerequisite: MBO 4200. Corequisite: MBO 3800)

MBO 3900 – Marine Invertebrate (3)
Morphological description, biology, ecological importance and systematic of marine invertebrates: Phylum Porifera, Cnidaria, Platyhelminth, Nemertea, Nematoda, Tardigrada, Sipuncula, Annelida, Mollusca, Arthropoda, Echinodermata, Hemicordate y Cordata. Identification practices at lower taxonomic levels in the laboratory. Field trips for identification and monitoring. (Prerequisite: MBO 4200. Corequisite: MBO 3900L)

MBO 3900L – Marine Invertebrate Field Lab (1)
Morphological description, biology, ecological importance and systematic of marine invertebrates: Phylum Porifera, Cnidaria, Platyhelminth, Nemertea, Nematoda, Tardigrada, Sipuncula, Annelida, Mollusca, Arthropoda, Echinodermata, Hemicordate y Cordata. Identification practices at lower taxonomic levels in the laboratory. Field trips for identification and monitoring. (Prerequisite: MBO 4200. Corequisite: MBO 3900)

MBO 4000 – Scientific Communication (3)
Approach to different types of publications, scientific articles, notes and reviews. Guiding understanding about each section of any scientific paper: Introduction, methods, description of the evidence and resolution of the arguments, conclusions and outlines of the title. Writing e-mails, résumés, and short reports sent to researchers. Development and preparation of oral presentations. Design and production of posters. (Prerequisite: ENG 1000, MBO 3800)

MBO 4100 – Marine Mammals Biology (3)
Main characteristics of marine mammals that they share with terrestrial ones. Biological and ecological description of Marine Mammals of each taxonomic order: Cetacea, Carnivora and Sirenia. Paleontological history and morphological changes from land to water. Physiology and adaptations to marine life. Anthropogenic impacts: extinctions, hunting, contaminants, by-catching and ghost fishing. (Prerequisite: MBO 3800)

MBO 4200 – Advanced Marine Biology (3)
Approach and training towards scientific literature, parts and construction of scientific articles. Extensive journey through different methods of marine scientific research in the field, laboratory and modelling. Introduction to the most recent advances in marine biology. Impacts of research on human life. (Prerequisite: MBO 3000)

MBO 4300 – Genetics (3)
Fundamentals and history of genetics. General aspects of inheritance. Chromosomal bases of heredity. Fundamental principles of inheritance. Sex-linked inheritance. Extension of the Mendelian analysis. Mapping and linkage. Molecular genetics of hereditary material. Population's genetics. Marine genetic research and genetic engineering seminar. Practices for DNA extraction, comparison of molecular markers by electrophoresis, PCR applications and use of primers are developed. Project of the course heredity between lineages of D. melanogaster and chromatography of ocular mutations. (Prerequisite: BIO 1000. Corequisite: MBO 4300L)

MBO 4300L – Genetics Lab (1)
Fundamentals and history of genetics. General aspects of inheritance. Chromosomal bases of heredity. Fundamental principles of inheritance. Sex-linked inheritance. Extension of the Mendelian analysis. Mapping and linkage. Molecular genetics of hereditary material. Population's genetics. Marine genetic research and genetic engineering seminar. Practices for DNA extraction, comparison of molecular markers by electrophoresis, PCR applications and use of primers are developed. Project of the course heredity between lineages of D. melanogaster and chromatography of ocular mutations. (Prerequisite: BIO 1000. Corequisite: MBO 4300)

MBO 4400 – Biodiversity (3)
The historical concept of biodiversity. History and understanding of taxonomy, phylogeny and genetics. Concepts of species, specialization, diversity, disparity and plasticity. Biodiversity value: bioprospecting and ecological adaptation. (Prerequisite: BIO 4200)

MBO 4500 – Oceanography (3)
History of oceanography. Physical oceanography: atmospheric circulation, wind fields, thermal energy and specific heat of the ocean. Hydrography, barometry, fluids and waves. Chemical oceanography: chemical composition of the oceans, chemical equilibria, dissolved gases, biogeochemical cycles, processes and minerals, organic matter and pollution. Biological oceanography: food webs, primary producers, currents and marine organisms. Geological oceanography: Instrumentation, plate tectonics, ocean geography. (Prerequisite: MBO 4200. Corequisite: MBO 4500L)

MBO 4500L – Oceanography Field Lab (1)
History of oceanography. Physical oceanography: atmospheric circulation, wind fields, thermal energy and specific heat of the ocean. Hydrography, barometry, fluids and waves. Chemical oceanography: chemical composition of the oceans, chemical equilibria, dissolved gases, biogeochemical cycles, processes and minerals, organic matter and pollution. Biological oceanography: food webs, primary producers, currents and marine organisms. Geological oceanography: Instrumentation, plate tectonics, ocean geography. (Prerequisite: MBO 4200. Corequisite: MBO 4500)

MBO 4600 – Elasmobiology (3)
Evolutionary history, biological and ecological description of sharks and rays. Skeletal structure, fins, teeth and skin. Type of movements and swimming. Organs of osmoregulation. Body heat exchange. Receptors: chemical, mechanical, light, electrical and magnetic. Types of reproduction and mating. Food strategies. Migration and daily behaviours. (Prerequisite: MBO 3300, Corequisite: MBO 4600L)

MBO 4600L – Elasmobiology Field Lab (1)
Evolutionary history, biological and ecological description of sharks and rays. Skeletal structure, fins, teeth and skin. Type of movements and swimming. Organs of osmoregulation. Body heat exchange. Receptors: chemical, mechanical, light, electrical and magnetic. Types of reproduction and mating. Food strategies. Migration and daily behaviours. (Prerequisite: MBO 3300, Corequisite: MBO 4600)

MBO 4700 – Coral Reefs (3)
Types of reefs, profiles and zones of the reefs and distribution. Biotic reef builders: corals, soft corals, sponges, macroalgae, and other animals. Environmental controls on the distribution of coral reefs. Symbiotic interactions. Marine invertebrates and reef fish. Environmental and human impacts on reefs. (Prerequisite: MBO 4200)

MBO 4800 – R for Statistics (3)
Basic programming in R for analysis and visualization of data through transformations, summarizing, regression analysis, multivariate analysis, distributions, hypothesis tests, results and statistical reports. Probability and modelling. (Prerequisite: STA 2600)

MBO 4801 – Marine Field Internship I (3 Credits)
Supervised introductory experiential learning in marine field research. Students participate in approved field activities emphasizing basic research techniques, ethical practices, data collection, and professional conduct in applied marine science settings.

MBO 4802 – Marine Field Internship II (3 Credits)
Intermediate supervised experiential learning in marine field research with increased responsibility in data collection, research support, and field operations. Emphasis on skill development, teamwork, and integration of field experience with scientific concepts.

MBO 4803 – Marine Field Internship III (3 Credits)
Advanced supervised experiential learning serving as a culminating field experience. Students assume leadership roles in marine research activities, synthesize field and academic knowledge, and demonstrate professional-level performance through applied research and assessment.

MBO 4900 – Independent Research Project I (3)
Formulation and design of an independent project of the student's choice focused on any topic related to marine biology. Project will be developed as a written document composed of an introduction, objectives, hypothesis, methodology, expected results and bibliography. It also will be discussed with their peers in seminars during the semester to agree on the best way to develop.

MBO 4950 – Independent Research Project II (3)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Prerequisite: MBO 4900)

Marine Conservation, B.S. Core Course Description

STA 1000 – Statistics I: Statistical Methods (3)
Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests with applications in the real world. Students also have the opportunity to analyze data sets using technology. (Prerequisite: MAT 1000)

STA 2600 – Statistic II (3)
Mathematical derivation of standard statistical distributions along with their mean and variance, estimation and hypothesis testing of means, proportions, and variances, analysis of variance, simple and multiple linear regression, an analysis of count data: chi-square and contingency tables, and nonparametric methods. (Prerequisite: STA 1000)

BIO 2000 – General Biology II (3)
This course is a continuation of BIO 1000. Topics include evolution, biological diversity, plant structure and function, animal systems and development and reproduction, and introductory concepts of ecology. (Prerequisite: BIO 1000)

CHM 2300 – Organic Chemistry (3)
This course provides the student with the necessary background to understand the chemistry of carbon-containing compounds. Topics will include structure, stereochemistry, nomenclature, synthesis, properties, and reactions of the major classes of organic compounds. (Prerequisite: CHM 2000. Corequisite: CHM 2300L)

CHM 2300L – Organic Chemistry Lab (1)
This course provides the student with the necessary background to understand the chemistry of carbon-containing compounds. Topics will include structure, stereochemistry, nomenclature, synthesis, properties, and reactions of the major classes of organic compounds. (Prerequisite: CHM 2000L. Corequisite: CHM 2300)

CHM 2400 – Biochemistry (3)
Introduction to the study of chemistry, for students who have taken high school chemistry or CHEM 115, emphasizing structural and quantitative models of chemical behavior. Topics include bonding, thermochemistry, equilibrium, kinetics, and related applications. (Prerequisite: CHM 2300. Corequisite: CHM 2400L)

CHM 2400L – Biochemistry Lab (1)
Introduction to the study of chemistry, for students who have taken high school chemistry or CHEM 115, emphasizing structural and quantitative models of chemical behavior. Topics include bonding, thermochemistry, equilibrium, kinetics, and related applications. (Prerequisite: CHM 2300L. Corequisite: CHM 2400)

BIO 2500 – Microbiology (3)
This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. (Prerequisite: BIO 1000)

MRC 3000 – Introduction to Marine Conservation (3)
This course will explore the incredible diversity and importance of the world's oceans and coasts. Students will be introduced to the range of marine habitats and species around the globe and the many benefits people derive from them. (Prerequisite: BIO 1000)

MAR 3100 – Marine Ecology (3)
Concepts and environmental characteristics (physical and chemical) that affect marine ecosystems. Fundamentals and factors that affect biodiversity, richness and biomass. Movements of matter and energy through producers and consumers. Marine biological interactions inter and intraspecific. Biological adaptations from the concepts of species, population and community. Biotic factors concerning their environment.

MRC 3200 – Marine Protected Areas (3)
History, legislation and global agreements about protected areas. Biodiversity conservation and sustainable use as an objective of protected areas from political instruments. Benefits, design and implementation of the protected areas. Management plans for protected areas. Case studies of marine protected areas of interest to each student. (Prerequisite: MRC 3000)

MAR 3300 – Marine Ecosystems (3)
Fundamentals, structure, qualities and description of marine ecosystems around the world. Transition ecosystems such as mangroves, coastal lagoons and floodplains. Coastal ecosystems: coral reefs, seagrass beds, and sandboxes. Differences between coastal and oceanic pelagic environments, tropical, temperate and polar, superficial and deep waters.

MRC 3400 – Conservation Biology (3)
Introduction to conservation, history, and initial concepts. Fundamentals, distribution and biodiversity hotspot. Rare species and endemism. Conservation and genetic diversity. Conservation of populations, demography, metapopulations and density-dependence. Conservation and humanity. Effects and extinctions of climate change. (Prerequisite: MRC 3000)

MRC 3500 – Marine Management Conservation (3)
Fundamentals of environmental management from politics. Habitat characterization. Fragmentation identification, edge effects and patch dynamics. Determination of impacts and polluting risks. Protection and restoration processes. Modelling and monitoring.

History of marine conservation. Brief description of the problems to be solved through conservation. Political instruments, agents and citizen science for marine conservation. Cases and study presentation about marine conservation. (Prerequisite: MRC 3400)

MAR 3600 – Fisheries (3)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Corequisite: MAR 3600L)

MAR 3600L – Fisheries Field Lab (1)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Corequisite: MAR 3600)

MAR 3700 – GIS (3)
Instruction about Geographic Information Systems. Management of basic concepts and applications regarding the Management of Maritime and Coastal Zones. Fundamentals of Ocean Management: accurate shoreline position, bathymetry and maritime boundaries. Application in the distribution of species and the management of fisheries. Practice in specialized GIS software. (Prerequisite: STA 1000)

MRC 3800 – Facilitating Species Conservation Tools (3)
Implement multi-stakeholder species conservation planning strategies. The processes design, tools, and skills covered are also relevant to improving the management of group problem-solving, decision-making, and planning. Aboard the importance of interpersonal skills and process involving groups that work most effectively together. (Prerequisite: MRC 3400, 3500)

MRC 3900 – Conservation and Restoration of Marine Biodiversity (3)
Characteristics of marine ecosystems and their ecosystem services. The current state of marine ecosystems with the most recent anthropogenic alterations. Human activities that directly and indirectly alter ecosystems, pressure from pollutants, reduction of habitats, and effects of climate change. Recognition of the importance of marine biodiversity. Integrated management of coastal and open water ecosystems. Measures and technologies used in the management and conservation of ecosystems. (Prerequisite: MRC 3400)

MRC 3950 – Marine Spatial Ecology (3)
Introduction to spatial ecology. Biological and historical factors in the distribution of organisms and habitats. Detection of ecosystem changes. Biogeographic evaluation in the protection of natural and cultural resources. Mapping and technology for habitats-recognition as a method of understanding in decision-making. Monitoring of marine resources. Ecosystem management strategy at a regional scale. (Prerequisite: MRC 3100, 3700)

MRC 4000 – Introduction to Ecological Modelling (3)
Approach to ecological modeling with its characteristics and applicability. Cellular, population, community, ecotoxicological and hybrid dynamic models. Biogeochemical and bioenergetic models. System of ecological models and system of balance of matter and energy. Application in resilience modeling. Stability of trophic cascades. Application in the handling and management of ecosystems. (Prerequisite: MRC 3950)

MRC 4100 – Conservation in Marine Predators (3)
Biology and ecology of marine predators. History and human participation in the reduction of marine predators. Global implications and effects on ecosystems in the decline of their populations. Government processes in the protection of marine predators. Citizen science and eco-tourism in the role of protection. Field work in the identification and data collection of marine predators in a local ecosystem. (Prerequisite: MRC 3400. Corequisite: MRC 4100L)

MRC 4100L – Conservation in Marine Predators Field Lab (1)
Biology and ecology of marine predators. History and human participation in the reduction of marine predators. Global implications and effects on ecosystems in the decline of their populations. Government processes in the protection of marine predators. Citizen science and eco-tourism in the role of protection. Field work in the identification and data collection of marine predators in a local ecosystem. (Prerequisite: MRC 3400. Corequisite: MRC 4100)

MRC 4200 – RFMOs: How their work in Conservation (3)
Learn about what is an RFMO? how many of them exist around the world, what is the principal objective of some of them. How RFMO can deal with conservation issues in a sustainable way? How many countries belong to them and what are the procedures to make decisions. (Prerequisite: MRC 3600, 3800)

MRC 4300 – Management and Conservation of Species in Trade and Not Trade (3)

A brief history of the wildlife trade. Legal and illegal trade in wild species today. Design, control and incentives for the regulation of wildlife trade. CITES and its components, appendices and international agreements. Specific case studies with marine species emphasizing their status before regulation, trade control and current status. (Prerequisite: MRC 4200)

MRC 4400 – Ecosystem Based Management (3)
Introduction to ecosystem management in terms of concepts and study tools ecosystem services. Classification and valuation of ecosystems. Environmental attributes, beneficiaries and interested parties. Modelled on the ecosystem management of its goods and services. Spatial planning and integrated management of coastal and marine zones. (Prerequisite: MRC 3300, 3400, 3500)

MRC 4500 – Ecotourism (3)
Overview of ecotourism, from origins, concepts, advantages and attractions. Sustainable development and alternative to working for rural and urban communities. Ecotourism in the global economy. Ecotourism actors, profiles, and companies. Supply and production chains. (Prerequisite: MRC 3000, 3300)

MRC 4600 – Anthropogenic Impacts in Marine Environments (3)
Fundamental concepts of marine environmental impact: stressors, disturbers. Human action pressures, monitoring and research techniques, and their consequences on wildlife: fisheries and aquaculture, artificial physical structures, eutrophication and hypoxia, chemical pollutants, heavy metals and plastics. (Prerequisite: MRC 4400, 4500)

MRC 4700 – Human Dimension in Conservation (3)
Role of nature in human culture. Environmental education and citizen science programs. Development of communities, campaigns and eco-friendly commerce. Sustainable practices. Problems in the implementation of conservation strategies and their mechanisms of action. (Prerequisite: MRC 4400, 4500)

MRC 4800 – IUCN: Red List (3)
Overview and history of the International Union for Conservation of Nature's Red List of Threatened Species or IUCN: Red list. Objectives and processes in the protection of species and ecosystems. Research, agreements and policies in the protection of wildlife. Education and influence in decision making. Evaluation and criteria for the inclusion of species and ecosystems to categories of the Red List. (Prerequisite: MRC 3800)

MRC 4900 – Marine Conservation Project I (3)
Formulation and design of an independent project of the student's choice focused on any topic related to conservation biology. Project will be developed as a written document composed of an introduction, objectives, hypothesis, methodology, expected results and bibliography. It also will be discussed with their peers during the semester to agree on the best way to develop.

MRC 4950 – Marine Conservation Project II (3)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Prerequisite: MRC 4900)

General Education Course Description

MAT 1000 – College Algebra (3)
This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions.

ENG 1000 – English Composition (3)
This course provides students with the rhetorical foundations that prepare them for the demands of academic and professional writing. In this course, students will learn and practice the strategies and processes that successful writers employ as they work to accomplish specific purposes.

ENG 2000 - Scientific and Research Writing (3)
This course is designed to strengthen students' ability to communicate effectively within scientific and academic contexts. Emphasizing clarity, organization, and precision, students will learn to write in forms commonly used in the sciences, including research papers, field and lab reports, literature reviews, and abstracts. The course focuses on developing strong analytical and evidence-based writing skills while reinforcing ethical research practices and proper citation of sources. (Prerequisite: ENG 1000 or equivalent)

ETH 1000 – Ethics (3)
This course focuses on moral theories and issues, drawing on ideas from a variety of disciplines. During this semester we will examine moral theories regarding what is right and wrong, good and bad and apply them to contemporary moral issues.

PSY 1000 – Fundamental of Physics (3)
This course provides a thorough introduction to the principles and methods of physics for students who have good preparation in physics and mathematics. Emphasis is placed on problem solving and quantitative reasoning. This course covers Newtonian mechanics, special relativity, gravitation, thermodynamics, and waves.

BIO 1000 – General Biology I (3)
An introduction to principles of biology to include a study of cell structure, function and reproduction; inheritance; development; metabolism; photosynthesis; evolution; and DNA technology.

CHM 2000 – General Chemistry (3)
This course covers the qualitative and quantitative aspects of scientific measurement, the nature of matter, gases, liquids and solids, energy, atomic theory, properties of elements, chemical bonding, molecular structure and properties, stoichiometry, thermochemistry, and solutions. (Corequisite: CHM 2000L)

CHM 2000L – General Chemistry Lab (1)
This course covers the qualitative and quantitative aspects of scientific measurement, the nature of matter, gases, liquids and solids, energy, atomic theory, properties of elements, chemical bonding, molecular structure and properties, stoichiometry, thermochemistry, and solutions. (Corequisite: CHM 2000)

HUM 1000 – Introduction to Humanities (3)
This course focuses on central concepts, historical development and fundamental nature of philosophy, architecture, music, religion and art. Concepts from such disciplines integrated with contemporary American culture.

PHL 1000 – Introduction to Philosophy (3)
An introduction to philosophy through topics found in classical and contemporary philosophical writings, such as the nature of truth and knowledge, mind and body, freedom and determinism, right and wrong, and the existence of God.

PSY 1000 – Introduction to Psychology (3)
This course provides students with a general overview of the science which seeks to understand and explain behavior and mental processing. Variations in psychology faculty training and research interest influence topic emphasis.

LAT 1000 – Latin (3)
This course allows students the opportunity to study Latin at an introductory level. Focuses primarily on Ancient Latin. Develops basic Latin reading skills with the help of grammar and translation exercises. Profoundly strengthens students' general understanding of grammar, syntax, and word formation in any language, particularly Romance and Germanic languages.

SPN 1000 – Spanish (3)
This course is designed to develop listening, speaking, writing, and reading skills in Spanish as well as cultural competency in the Hispanic world. This course is intended for students with no prior knowledge of Spanish or those who have had two years or less of high school Spanish.

SPN 2000 – Spanish 2 (3)
This course is a continuation of Spanish I, designed to further develop students' proficiency in listening, speaking, reading, and writing in Spanish. Emphasis is placed on expanding vocabulary, mastering more complex grammatical structures, and improving conversational fluency. Students will engage with a variety of cultural topics to deepen their understanding of the diverse Spanish-speaking world. This course is intended for students who have successfully completed Spanish I or possess an equivalent level of foundational Spanish knowledge. (Prerequisite: SPN 1000)

Marine Biology, M.S. Course Description

MSB 6000 – Marine Ecosystems (3)
Fundamentals, structure, qualities and description of marine ecosystems around the world. Transition ecosystems such as mangroves, coastal lagoons and floodplains. Coastal ecosystems: coral reefs, seagrass beds, and sandboxes. Differences between coastal and oceanic pelagic environments, tropical, temperate and polar, superficial and deep waters.

MSB 6001 – Scientific Communication (3)
Approach to different types of publications, scientific articles, notes and reviews. Guiding understanding each section of any scientific paper: Introduction, methods, description of the evidence and resolution of the arguments, conclusions and outlines of the title. Writing e-mails, résumés, and short reports sent to researchers. Development and preparation of oral presentations. Design and production of posters.

MSB 6002 – Advanced Marine Biology (3)
Approach and training towards scientific literature, parts and construction of scientific articles. Extensive journey through different methods of marine scientific research in the field, laboratory and modelling. Introduction to the most recent advances in marine biology. Impacts of research on human life.

MSB 6003 – Biodiversity (3)
The historical concept of biodiversity. History and understanding of taxonomy, phylogeny and genetics. Concepts of species, specialization, diversity, disparity and plasticity. Biodiversity value: bioprospecting and ecological adaptation. (Prerequisite: MSB 6002)

MSB 6004 – Ichthyology (3)
Main morphological description, biological aspects, distribution and ecology of marine fishes´ taxonomic classes and are part of Chondrichthyes, Agnatha, Osteichthyes, among others. The main features of each taxonomic level up to species are highlighted to reach an understanding of fish evolution. Field and laboratory practices for identification and study methods. (Corequisite: MSB 6004L)

MSB 6004L – Ichthyology Field Lab (1)
Main morphological description, biological aspects, distribution and ecology of marine fishes´ taxonomic classes and are part of Chondrichthyes, Agnatha, Osteichthyes, among others. The main features of each taxonomic level up to species are highlighted to reach an understanding of fish evolution. Field and laboratory practices for identification and study methods. (Corequisite: MSB 6004)

MSB 6005 – Fisheries (3)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Prerequisite: MSB 6004. Corequisite: MSB 6005L)

MSB 6005L – Fisheries Field Lab (1)
Development and evolution of fisheries in humanity and various cultures. Fundamental concepts such as economic fishing unit, stock, and population dynamics. Main capture methods, use practices, construction, and repair of gear such as longlines, nets and rods. Statistics in the management of fishing populations, distribution of sizes and sexes, average size of capture and maturity. Modelling of growth and age. Trophic indices. (Prerequisite: MSB 6004. Corequisite: MSB 6005)

MSB 6006 – Oceanography (3)
History of oceanography. Physical oceanography: atmospheric circulation, wind fields, thermal energy and specific heat of the ocean. Hydrography, barometry, fluids and waves. Chemical oceanography: chemical composition of the oceans, chemical equilibria, dissolved gases, biogeochemical cycles, processes and minerals, organic matter and pollution. Biological oceanography: food webs, primary producers, currents and marine organisms. Geological oceanography: Instrumentation, plate tectonics, ocean geography.

MSB 6007 – R for Statistics (3)
Basic programming in R for analysis and visualization of data through transformations, summarizing, regression analysis, multivariate analysis, distributions, hypothesis tests, results and statistical reports. Probability and modelling.

MSB 6009 – Tropical Marine Biology (3)
Description of characteristics of marine organisms that create ecosystems. Benthic, planktonic and demersal organisms. Megafauna. Description of tropical marine ecosystems. Effects of climate change on tropical ecosystems. Extinctions, diseases, and deterioration of marine ecosystems. (Prerequisite: MSB 6000)

MSB 6100 – Marine Ecology (3)
Concepts and environmental characteristics (physical and chemical) that affect marine ecosystems. Fundamentals and factors that affect biodiversity, richness and biomass. Movements of matter and energy through producers and consumers. Marine biological interactions inter and intraspecific. Biological adaptations from the concepts of species, population and community. Biotic factors concerning their environment. (Prerequisite: MSB 6002)

MSB 6200 – Thesis Seminar I (1)
Four presentations and discussions about the tentative master's thesis project faced their peers, advisors, and directors. They will agree on the research action plan, objectives, hypotheses, and methodologies, as well as the progress of the partial and final results with their corresponding argumentation in the discussion to obtain the best approach and conclusion. (Corequisite: MSB 6600)

MSB 6300 – Thesis Seminar II (1)

Four presentations and discussions about the tentative master's thesis project faced their peers, advisors, and directors. They will agree on the research action plan, objectives, hypotheses, and methodologies, as well as the progress of the partial and final results with their corresponding argumentation in the discussion to obtain the best approach and conclusion. (Prerequisite: MSB 6200. Corequisite: MSB 6700)

MSB 6400 – Thesis Seminar III (1)
Four presentations and discussions about the tentative master's thesis project faced their peers, advisors, and directors. They will agree on the research action plan, objectives, hypotheses, and methodologies, as well as the progress of the partial and final results with their corresponding argumentation in the discussion to obtain the best approach and conclusion. (Prerequisite: MSB 6300. Corequisite: MSB 6900)

MSB 6500 – Thesis Seminar IV (1)
Four presentations and discussions about the tentative master's thesis project faced their peers, advisors, and directors. They will agree on the research action plan, objectives, hypotheses, and methodologies, as well as the progress of the partial and final results with their corresponding argumentation in the discussion to obtain the best approach and conclusion. (Prerequisite: MSB 6400. Corequisite: MSB 6700)

MSB 6600 – Thesis Project I (2)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Corequisite: MSB 6200)

MSB 6700 – Thesis Project II (2)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Prerequisite: MSB 6600. Corequisite: MSB 6300)

MSB 6800 – Thesis Project III (2)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Prerequisite: MSB 6700. Corequisite: MSB 6400)

MSB 6900 – Thesis Project IV (2)
The students will execute their project, following the parameters established in the proposed document. The project must be presented in writing as a thesis or scientific article and must be presented before specialized juries on the corresponding topic. (Prerequisite: MSB 6800. Corequisite: MSB 6500)

MSB 6011 – Reef Coral Biology, Ecology & Conservation (3)
Fundamentals of coral biology. Calcification processes and their relationship with nutrient absorption and ocean acidification. Relationship of mutualism and symbiosis in their adaptations, distribution of zooxanthellae within the colony and roles of coral species in ecosystems. Intraspecific relationships of corals like competition, amensalism, diseases and predation with other invertebrates in the reef. Embryogenesis, larvae rearing and restoration programs. (Prerequisite: MSB 6000, 6003, 6100)

MSB 6012 – Stable Isotopes in Marine Ecology (3)
Generalities of the analysis of stable isotopes (SIA), nitrogen, carbon, sulfur, hydrogen and oxygen. Nomenclature. Tissue potentials such as samples with different turnover rates and analysis time windows. Preparation and processing of samples, lipid and urea extraction techniques, decalcification of vertebrae and tooth preparation. Dynamic experimentation and ecological applications, diet and mixing models, estimation of trophic position, movements and migration, classification between specialists and generalists and niche-width.

MSB 6013 – Climate Change (3)
Description of the evidence of climate change. Climatic variations of the planet: ice ages and interglacial. Changes in Earth's climate systems, atmosphere, and ocean currents in heat transport. Global warming and greenhouse gases. Human responsibilities in climate change, carbon cycle imbalance, sea level rise. Climate modelling and changes in temperature patterns, impact on aquatic systems, ecosystems, agriculture and society. Alternatives and responses to climate change. (Prerequisite: MSB 6000, 6003)

MSB 6014 – Invasive Marine Species (3)
Conceptual differences between native, exotic and invasive species. Mechanisms of dispersal and distribution of species. Colonization strategies: transport, introduction and establishment. Susceptibility of host ecosystems, recovery and impacts. Management of invasive species: prevention and mitigation. (Prerequisite: MSB 6000, 6002, 6003)

MSB 6015 – Data Analysis (3)
Fundamentals of variables. Probability functionals. Statistical tests. Mean, variance and variance estimators. Limits, confidence

intervals and statistical errors. (Prerequisite: MSB 6007)

MSB 6016 – Marine Physiology (3)
Adaptation mechanisms of marine organisms. Locomotion: swimming and buoyancy. Energetic functioning: feeding, digestion, growth and metabolism. Gas exchange and cardiovascular system. Homeostasis and permeability: ionic regulation, acid-base and nitrogen control. Neuroendocrine control: nervous system, chemical and electrical receptors, reproduction and lateral line system. Management and physiological effects of contaminants. (Prerequisite: MSB 6005)

MSB 6017 – Anthropogenic Impacts in Marine Environments (3)
Fundamental concepts of marine environmental impact: stressors, disturbers. Human action pressures, monitoring and research techniques, and their consequences on wildlife: fisheries and aquaculture, artificial physical structures, eutrophication and hypoxia, chemical pollutants, heavy metals and plastics. (Prerequisite: MSB 6000)

Admissions

Application – Bachelor's Degrees

To be admitted to the bachelor's degree programs, students must meet the below requirements and need to follow the steps outlined below to provide evidence of such eligibility. An orientation course must be completed before an admitted student can enroll in the first course of the program.

Soon after receiving the application, the Admissions Department will contact the student to assist throughout the enrollment process. Essential documents, including transcripts, enrollment agreement, and payment method are required to be fulfilled by the applicant. Please note that to speed the admission process, Moore Marine College will accept unofficial transcripts for the application process, however, admitted students are required to order official transcripts, which must be sent directly to Moore Marine College from the institution or sent by student as long as the official transcript is sealed from the originating institution. Official transcripts must be submitted before the end of the first course in the program.

Admissions Requirements

Prospective students may apply at any time during the year. If accepted, may begin in any term during the year of acceptance or the following year. Applicants must:

- Submit the application online at mooremarinecollege.com.
- Pay $ 75 non-refundable application fee.
- Submit Official Transcripts from all undergraduate and/or graduate institutions attended.

General Admission Requirements

- First time college attendance (FTCA) applicants should have a 2.5 high school unweighted GPA out of a 4.0 scale.
- A 20 ACT, 1100 SAT (two-part), or 70 CLT.
- ***Standardized test scores are recommended but not required for admission.**

English Language Requirement

It is expected that all students applying for Marine Moore College programs are able to speak, read and write English fluently. In the case of international students where English is not their first language, they will be required to demonstrate a sufficient level of English Language proficiency. Moore Marine College requires a composite score of 6 for the IELTS (International English Language Testing System, Academic version) or a composite TOEFL score of Min 80 out of 120.

Foreign Transcript Evaluations

Foreign transcript evaluations are accepted from any agency that is a member of the National Association of Credential Evaluation Services (www.naces.org). Students are encouraged to check directly with the agencies about current prices and requirements.

* The College may accept students who do not meet the above criteria, should closer review by the Admissions Committee indicate a probability of success based upon a review of a broad range of factors.

** The College reserves the right to administer placement tests and procedures to admitted students to improve advising, assist in course placement, and enhance probabilities of student success.

Application – Master's Degree

To be admitted to the master's degree program, students must meet the below requirements and need to follow the steps outlined below to provide evidence of such eligibility. An orientation course must be completed before an admitted student can enroll in the first course of the program.

Soon after receiving the application, the Admissions Department will contact the student to assist throughout the enrollment process. Essential documents, including transcripts, enrollment agreement, and payment method are required to be fulfilled by the applicant. Please note that to speed the admission process, Moore Marine College will accept unofficial transcripts for the application process, however, admitted students are required to order official transcripts, which must be sent directly to Moore Marine College from the institution or sent by student as long as the official transcript is sealed from the originating institution. Official transcripts must be submitted before the end of the first course in the program.

Admissions Requirements

Prospective students may apply at any time during the year. If accepted, they may begin in any term during the year of acceptance or the following year. Applicants must:

- Submit the application online at mooremarinecollege.com.
- Pay $ 75 non-refundable application fee.
- Submit Official Transcripts from all undergraduate and/or graduate institutions attended.

General Admission Requirements

- Applicants should have at minimum of 2.5 in the last 2 years of the undergraduate program or a master's degree in a relevant program.
- GRE*
- 2 letters of recommendation.
- Resume.
- Official Transcripts from the bachelor´s degree.

***Requirement for GRE scores may be waived for students who meet any one of the following:**

• Graduate degree from an accredited institution

• Undergraduate degree from an accredited college or university with a grade average of at least 2.5

• Undergraduate degree from an accredited college or university with an average grade of 2.3 or above with a minimum of two years of professional work experience

• Completion of the first semester of enrollment with a minimum grade average of 3.0.

Failure to provide documentation required at the end of the first semester may lead to suspension from the University.

English Language Requirement

It is expected that all students applying for Marine Moore College programs are able to speak, read and write English fluently. In the case of international students where English is not their first language, they will be required to demonstrate a sufficient level of English Language proficiency.

Moore Marine College requires a composite score of 6 for the IELTS (International English Language Testing System, Academic version) or a composite TOEFL score of Min 80 out of 120.

Foreign Transcript Evaluations
Foreign transcript evaluations are accepted from any agency that is a member of the National Association of Credential Evaluation Services (www.naces.org). Students are encouraged to check directly with the agencies about current prices and requirements.

* The College may accept students who do not meet the above criteria, should closer review by the Admissions Committee indicate a probability of success based upon a review of a broad range of factors.
** The College reserves the right to administer placement tests and procedures to admitted students to improve advising, assist in course placement, and enhance probabilities of student success.

Charges: Tuition & Fees

Bachelor of Science in Marine Biology, 4-year program:

Application Fee (non-refundable)	$75.00
Cost Per Credit	$520.00
Average Tuition Per Semester – 15 credits	$7800.00
Total Program Tuition Charges – 120 credits	**$62,400**

Bachelor of Science in Marine Conservation, 4-year program:

Application Fee (non-refundable)	$75.00
Cost Per Credit	$520.00
Average Tuition Per Semester – 15 credits	$7800.00
Total Program Tuition Charges – 120 credits	**$62,400.00**

Master of Science in Marine Biology, 2-year program:

Application Fee (non-refundable)	$75.00
Cost Per Credit	$520.00
Average Tuition Per Semester – 15 credits	$7800.00
Total Program Tuition Charges – 60 credits	**$31,200.00**

*Please note that tuition and fees are subject to change at the discretion of Moore Marine College; however, any student tuition and/or fee increases that occur after a student has enrolled and/or started courses, will not be charged to any student.

Graduation Requirements

To receive a degree from Moore Marine College, a student must satisfy the requirements related

to semester credits, grade point average and courses. Students who have met all requirements for graduation should submit an application for graduation to the Registrar's Office.

To obtain a Bachelor of Science in Marine Biology degree, a student must complete the following:

- Earn a minimum of 120 semester credits by completing all the required courses.
- Maintain an institutional GPA of 2.5 (on a 4.0 system).
- Earn a minimum course grade of 2.0 (on a 4.0 system) for each course in the program.

To obtain a Bachelor of Science in Marine Conservation degree, a student must complete the following:

- Earn a minimum of 120 semester credits by completing all the required courses.
- Maintain an institutional GPA of 2.5 (on a 4.0 system).
- Earn a minimum course grade of 2.0 (on a 4.0 system) for each course in the program.

To obtain a Master of Science in Marine Biology degree, a student must complete the following:

- Earn a minimum of 60 semester credits by completing all the required courses.
- Maintain an institutional GPA of 2.5 (on a 4.0 system).
- Earn a minimum course grade of 3.0 (on a 4.0 system) for each course in the program.

Moore Marine College confers degrees at the end of each academic semester. The conferral date is the date on which the student's degree is officially conferred. Upon completion of all required courses, submission of the graduation application, and resolving of any outstanding financial obligations, students who have met all academic and administrative requirements, will receive two official transcripts and their diploma. If the student has not completed the coursework and earned a grade at the end of the course, the instructor may issue one of the following grades.

(I) Incomplete - If the course has not been completed, the instructor may grant an "I" on a two-month extension of the term, at no additional tuition cost, when the student is making satisfactory progress, and the instructor believes that an extension of time will permit satisfactory completion. At the end of this period, a final grade must be recorded.

(W) Withdraw - The student may withdraw from any course before the end of the term. A student who withdraws or is administratively withdrawn must retake the course and is responsible for a new tuition payment for that course of study.

Technology Requirements

For students, the following system configuration and software are recommended for optimal

performance:

- Platforms: Mac OS X 10.12+ (Sierra) or higher or Windows 8.1+, 10+) or higher or *Linux-Chrome OS- chrome not compatible nor are tablets or phones for testing through Canvas
- Hardware: 2 GB of RAM, Intel Quad-core 1.8GHz CPU or AMD Quad-core 2.0 GHz CPU, and 50 Gb free disk space, 1 GB available disk space
- Productivity Software: Microsoft Word, PowerPoint, and Excel 2007 or higher; Adobe Reader 10.0 or higher
- Web Browser: Firefox 3.0 or higher, Internet Explorer 11.0 or higher, Safari 4.0 or higher, or Chrome *Microsoft Edge is not supported for macOS at this time.
- Email: Outlook, Outlook Express, Mac Mail, Eudora, Entourage, or Yahoo/Hotmail/Gmail
- Internet Speed: 512 kbps, Upload: 1 Mbps ↑, Download: 2 Mbps ↓,
- Web Camera and microphone: We suggest students use the embedded web camera in their laptop or any standard web cam purchased and manufactured within the last 5 years, *3D Webcams are not supported at this time.

Transfer of Credits

The transferability of credits you earn at Moore Marine College is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the credits you earn in the educational program from Moore Marine College is also at the complete discretion of the institution to which you may seek to transfer. If the credits that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending Moore Marine College to determine if your credits will transfer.

Credits hours earned at other institutions may be eligible for transfer to Moore Marine College for satisfaction of program requirements only if they meet the following criteria:

1. The credits hours were earned at an institution accredited by an agency recognized by the United States Department of Education or the Council for Higher Education Accreditation (CHEA) or for internationally based institutions recognized by the respective government as institutions of higher education.
2. The student must have successfully passed the course and earn a grade of at least a “B”.
3. The course to be transferred is similar in level, content, and credit value to a course offered by Moore Marine College.
4. Those students with transferred courses from other institutions must present the transcript from each institution in order to transfer courses. A copy of the catalog, syllabus or any other document may be required to verify the credit hours, content and duration of courses.
5. For those students for whom transfer credit is awarded, the transfer credits may not exceed 60% of the total credits required for graduation from the programs.

The request for transferring credits must be generated by the student during the admission process and in a period of not more than thirty (30) calendar days from the initial date of their first academic term; after that deadline no new requests will be accepted. The Registrar Office will send the student

a written notification notifying students which courses have been accepted for transfer. The student may submit a written appeal to the Dean if in disagreement with the decision in a period no longer than ten (10) days from receipt of the notification. Transferred courses will be reflected as a “T” in the student transcript. These courses will affect the percentage of credits attempted when evaluated for Satisfactory Academic Progress.

The transferability of credits you earn at Moore Marine College is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the credits you earn in the educational program from Moore Marine College is also at the complete discretion of the institution to which you may seek to transfer. If the credits that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending Moore Marine College to determine if your credits will transfer.

Academic Policies

Attendance Policy

Students are expected to participate and actively contribute to class assignments (including discussions), demonstrating knowledge of the concepts and theories studied, and the ability to apply that knowledge when analyzing current events, assigned case studies, or real business

questions from their own organizations and communities.

This institution's policy on attendance is based on the premise that regular communication between the teacher and the student and, also, among students themselves, has significant value in the learning process. To ensure this timely communication, the instructor will respond to each assignment submission or exam submission within 5 days. To further ensure this timely communication, students must respond to each of the instructor's inquiries within 5 days as well.

A student must demonstrate regular and substantive interaction with the instructor. Regular and substantive interaction is defined as completing one of the following academically related activities once a week in order to be marked as having attended and actively participating:

- Post to the course discussion board substantive comments relevant to the subject
- Substantive exchanges with the instructor about course content, concepts, and assignments
- Submit a graded unit assignment or exercise
- Attempt a final exam
- Students are required to login to Populi, check e-mail and review any messages or notification every other day to remain up to date on institutional and course announcements.

Assignments should be completed timely and within the posted deadlines. Limited extensions of time may only be granted for unexpected business, health, or personal emergencies, whenever those are communicated in advance of missing a due date. Emergencies require written proof. In the rare occurrence of a technical issue preventing students from submitting assignments on time, the late penalty will not be applied, provided the technical issue is outside of the control of individual students.

At Moore Marine College, Artificial Intelligence (AI) is utilized as a powerful educational tool to support learning, enhance field research, and streamline administrative tasks. Faculty may use AI to assist with curriculum development, data analysis, and improving student support services. **While AI can offer valuable insights and assistive learning features, the college maintains a strict policy prohibiting students from using AI tools to generate or complete assignments, reports, or exams.** All coursework must reflect the student's own understanding and effort to preserve academic integrity and ensure graduates are fully prepared through their own knowledge and hands-on experience.

Students who are inactive for seven (7) consecutive days in an online course or absent for fourteen (14) consecutive days in an onsite course, will receive a warning notification and must immediately respond to the notification or demonstrate a substantive interaction in the course as stated above. Students who fail to respond to the Attendance Warning and who are further inactive or absent in a course for seven (7) more consecutive days will be administratively removed from the course and must submit an appeal to the faculty and the Dean to be reinstated in the course.

Grading Policy

Questions about grades sent via the course messaging system or email will be answered within 48

hours. Personal information and questions related to grading must be handled via private communications in order to protect students' privacy rights. Discussion board grades and Individual and Written Assignment grades will be posted within 5 calendar days after the end of each week, i.e. by end of day on Friday after the week they are due.

Letter Grade	Percent	Quality Points
A	90%-100%	4.0
B	80%-89%	3.0
C	70%-79%	2.0
D	65%-69%	1.0
F	64% and below	0.0

Discussions and Participation
Each Week there will be discussion activities, written assignments, quizzes and/or case studies, which require critical thinking and responses that are based in theory, readings, current events, and personal experiences. Students should plan their weeks accordingly for maximum academic success. Quizzes are meant for practicing of the concepts and theories studied in class and can be in any format the instructor sees fit, i.e., multiple choice, short answer, etc.

Mid-Term Exam
Many courses will have a mid-term exam. The mid-term exam may include a variety of question types, including definitions, calculation problems, or analysis from all topics covered over the first half of the term.

Final Exam
There is a final exam during the final week of each term. The final exam may include a variety of question types, including definitions, calculation problems, or analysis from all topics covered throughout the term.

Satisfactory Academic Progress

A student must meet the following minimum standards of academic achievement and successful course completion while enrolled at Moore Marine College. There are two standards that must be met at the end of each semester: a Quantitative Standard and a Qualitative Standard. The Quantitative Standards measures the completion rate and the maximum time frame to complete the program, while the Qualitative Standard is a Grade Point Average (GPA) requirement.

a) The Quantitative Standard: Students must complete their degree program of study within 150% of the normal timeframe allotted for completion of the program. Failure to complete a program within the time frame specified will result in the student being dismissed by the Institution. A student is also required to complete at least 67% of the credits attempted each semester and cumulative to ensure an acceptable pace of progression toward completion of their selected educational goal within a maximum time frame. Pace is defined as Completed credits divided by Attempted credits.

b) The Qualitative Standard: Once grades are posted at the end of the semester, the overall GPA is calculated. A student is required to maintain a Grade Point Average (GPA) of at least 2.0 for

undergraduate program or 2.5 in the graduate program in each term attempted and the overall cumulative GPA.

Academic Probation and Dismissal Policies

Academic Probation: A student whose GPA falls below 2.5 for undergraduate program or in the graduate program will be placed on Academic Probation for one academic term, subject to approval from the Dean. Students placed on academic probation will be informed of this in writing. A student who shows satisfactory improvement will be allowed to remain on academic probation until the minimum cumulative GPA is achieved.

Academic Dismissal and Appeals: Students who fail to show improvement or achieve the minimum cumulative GPA while on Academic Probation will be subject to Academic Dismissal from the institution. The Dean will make the decision on placing students on Academic Dismissal and will notify the affected students in writing. A student who is placed on Academic Dismissal will have a permanent record of the dismissal in the transcripts.

A student who is academically dismissed is not allowed to continue enrollment. Such a student can be readmitted to the program after at least one academic term has passed. When readmitted after a dismissal, a student is required to be on academic probation while repeating courses to raise the cumulative GPA to the minimum guideline for good academic standing. Students who have been placed on Academic Dismissal can appeal the decision based on mitigating personal circumstances. The appeal must be submitted in writing to the Dean, who will make the final determination. If the appeal is approved, the student will be permitted to continue coursework at Moore Marine College under academic probation status.

Leaves of Absence

A student may request a Leave of Absence (LOA), whenever it is necessary to take academic leave due to individual circumstances. The LOA allows a student to skip an academic term at a time, depending on the program. Students may take up to (2) LOA per year. A student may not begin a Leave of Absence while an active course is in progress, rather a withdrawal procedure must be initiated by the student. A leave of absence can begin upon the completion of the active course term. Students must contact the Student Services Office to request the LOA form.

Withdrawal Procedure

1. A student choosing to withdraw from the college after the start of classes is to provide a written notice to the Dean. The notice must include the expected last date of attendance and be signed and dated by the student. The written notice may be submitted by electronic transmission.

2. If special circumstances arise, a student may request, in writing, a leave of absence, which should include the date the student anticipates the leave beginning and ending. The withdrawal date will be the date the student is scheduled to return from the leave of absence but fails to do so.

3. A student will be determined to be withdrawn from the institution if the student misses 21

consecutive days by not participating in any of the courses.

4. All refunds will be issued within 30 days of the date of determination of the withdrawal date.

5. Approval of the withdrawal will allow the student to re-register and continue in the program on a date no later than the beginning of the start of the next class.

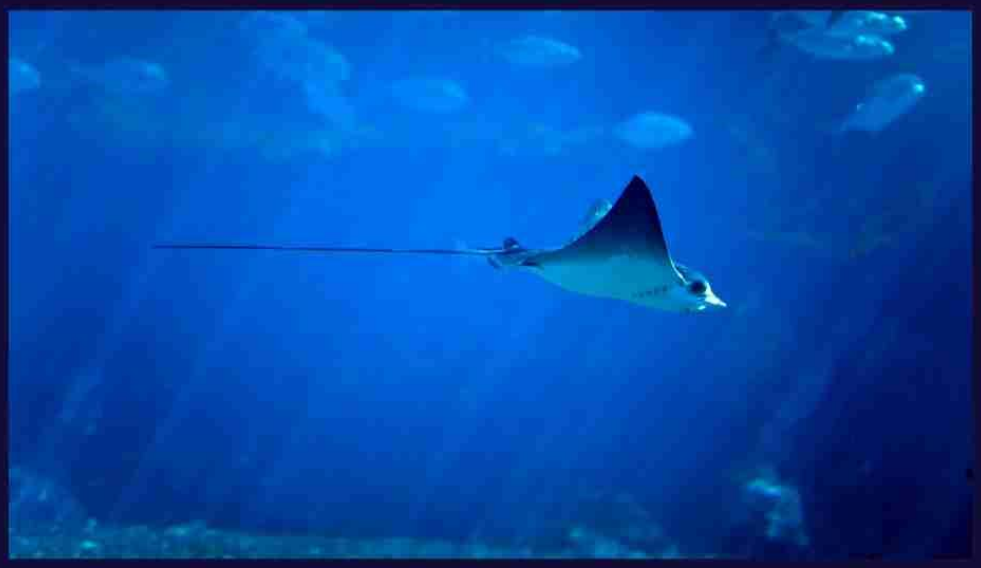
6. A student granted readmission is subject to the tuition rate and fees at the time of re-entry.

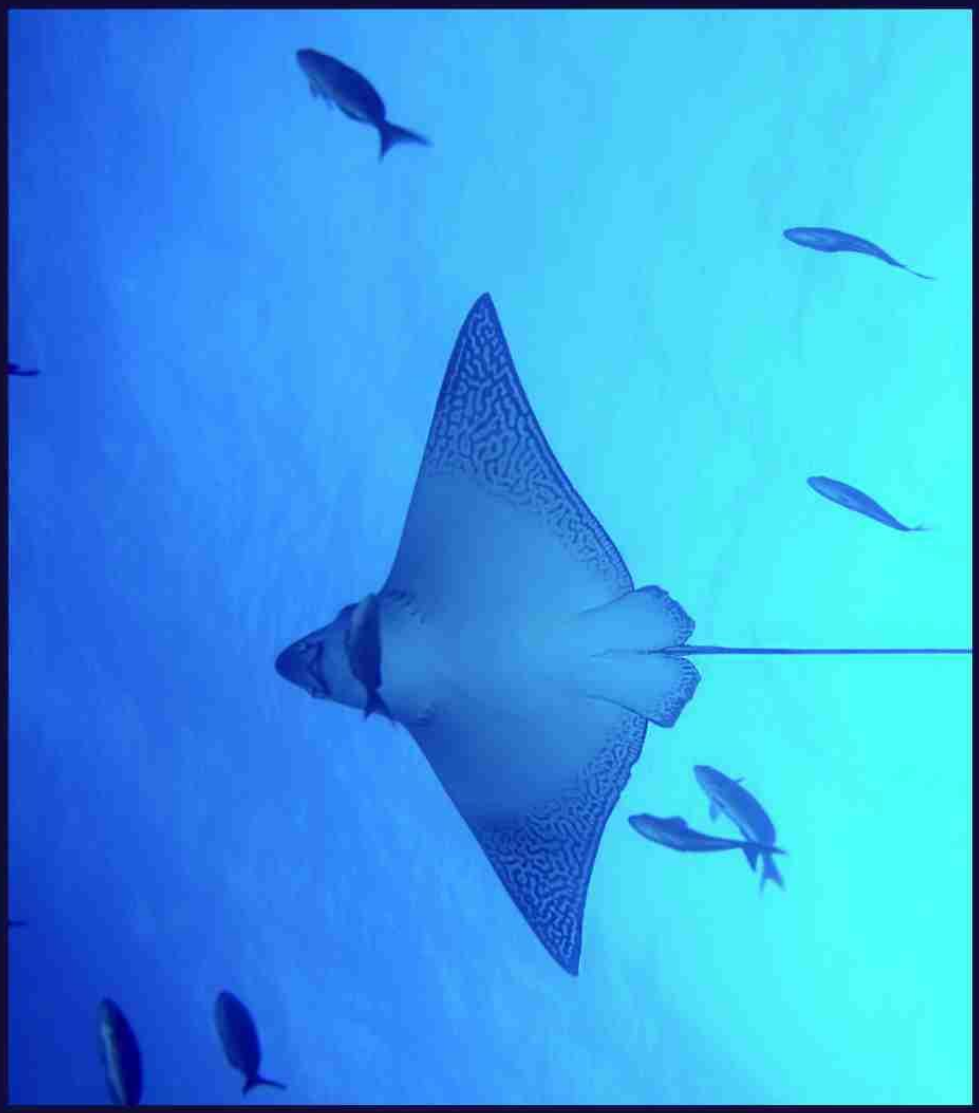
7. A student's last date of attendance is the last day a student attended a course or lab, or had online academically related activity. The last date of attendance is the date that the institution has determined that a student is no longer in school.

Course Retake Policy

Students who do not demonstrate minimum competencies assume the obligation and responsibility to make up academic failures:

- A course in which a letter grade of "D" or "F" has been earned may be repeated to improve the grade point average.
- If a student receives a failing grade, that grade is recorded on the transcript as a letter grade of "F". Upon repetition of a failed course, the original grade of "F" remains on the transcript but is not counted towards GPA calculation. The repeated course and new grade are entered on the transcript.
- Students who fail a course may be placed on academic probation or recommended for dismissal. If not dismissed, students are required to retake the course and must earn a C or better in order to proceed in the program.
- No course may be repeated more than two (2) times.
- The Dean will counsel students to determine if a course retake will be approved. If approved, the Dean will submit the Course Repeat Request Form to the Registrar who will enroll the student.
- Students will be responsible for paying the tuition costs associated with a course retake.





NON-ACADEMIC

Student's Right to Cancel and Refund Policy

The student shall have the right to cancel the agreement and receive a full refund before the first lesson and materials are received or the third business day after enrollment, whichever is later. Cancellation is effective on the date the written notice of cancellation is made by the student. The withdrawal date is determined with the student providing a written notification to the school. The institution shall make the refund as per the calculation consistent with the Florida Administrative Code. Refunds shall be made within 30 days of the date that the institution determines the date of determination that the student has canceled or withdrawn (regardless of if the institution delivered the first lesson and materials before an effective cancellation notice was received).

In the event the institution does not accept the enrollment, a full refund of all monies will be made to the applicant. An applicant may cancel his/her enrollment within three (3) business days from the student signing of this enrollment agreement and all monies paid by an applicant (less non-refundable fees paid) will be refunded within three (3) business days after the student signed the enrollment agreement. An applicant subsequently requesting cancellation of enrollment prior to the class starting date shall be entitled to a refund of all monies paid (less non-refundable fees paid). All monies due to the applicant will be refunded within 30 days of the date of determination from the cancellation.

The refund policy for students who have started attending and who have completed up to sixty (60) percent of the period of attendance (semester) will result in a pro rata refund computed on the number of hours completed to the total semester hours. The institution shall pay or credit refunds within 30 days of the date of determination of a student's cancellation or withdrawal.

No refunds are due once the student has attended sixty (60) percent or more of their semester credit hours in any given period of attendance. For purposes of determining a refund, a student shall be considered to have withdrawn from an educational program when he or she withdraws or is deemed withdrawn by the date of determination and in accordance with the withdrawal policy stated in the institution's catalog.

If an institution has collected money from a student for transmittal on the student's behalf to a third party for a bond, library usage, or fees for a license, application, or examination and the institution has not paid the money to the third party at the time of the student's withdrawal or cancellation, the institution shall refund the money to the student within 30 days of the date of determination of the student's withdrawal or cancellation.

This institution shall refund any credit balance on the student's account within 30 days of the date of determination after the date of the student's completion by means of completing all courses required in the student's program of study, or by withdrawal from, the educational program in which the student was enrolled.

Financial Aid Policy

The school does not participate in either State or Federal financial aid programs, nor does it provide financial aid directly to its students. A student enrolled in an unaccredited institution is not eligible for federal financial aid programs. Moore Marine College does not provide financial assistance.

Privacy Act

It is this institution's intent to carefully follow the rules applicable under the Family Education Rights and Privacy Act. It is our intent to protect the privacy of a student's financial, academic and other school records. We will not release such information to any individual without having first received the student's written request to do so, or unless otherwise required by law.

Code of Conduct

The Student Code of Conduct provides information about policies, procedures and regulations for students in preparation for professional activity of the highest standards. Each profession constrains its members with both ethical responsibilities and disciplinary limits. In any presentation, creative, artistic, or research, it is the ethical responsibility of each student to identify the conceptual sources of the work submitted. Failure to do so is dishonest and is the basis for a charge of cheating or plagiarism, which is subject to disciplinary action. Cheating includes but is not limited to:

1. Submission of work that is not the student's own for papers, assignments or exams
2. Submission or use of falsified data
3. Theft of or unauthorized access to an exam
4. The use of an alternate, stand-in or proxy during an examination
5. The use of unauthorized material including textbooks, notes or computer programs in the preparation of an assignment or during an examination
6. Supplying or communicating in any way unauthorized information to another student for the preparation of an assignment or during an examination
7. Collaboration in the preparation of an assignment, unless specifically permitted or required by the instructor. Collaboration will usually be viewed by the school as cheating. Each student, therefore, is responsible for understanding the policies of the department offering any course as they refer to the amount of help and collaboration permitted in preparation of assignments
8. Submission of the same work for credit in two courses without obtaining the permission of the instructors beforehand. Plagiarism includes, but is not limited to, failure to indicate the source with quotation marks or footnotes where appropriate if any of the following are reproduced in the work submitted by a student:
    1. A phrase, written or musical
    2. A graphic element
    3. A proof
    4. Specific language
    5. An idea derived from the work, published or unpublished, of another person

Procedures in case of cheating or plagiarism:
Incidents of suspected academic disciplinary violations shall be handled initially at the level at which the incident occurs (e.g., course or research/creative project) and at the department level. It will be reported immediately to designate parties where appropriate. It shall receive second-level

review(s) in the manner outlined in the following section.

Initial Review, Decision and Action(s)

Initial review, decision and action(s) shall remain within the academic team. It will involve the instructor(s) or academic supervisor(s) and, if desired, consultation with a third party from the faculty. Instructors are free to discuss alleged violations informally with the student(s) thought to be involved, without revealing the identity of any other students involved. Suspected violations that would result in a penalty should be handled by the instructor(s), in direct communication with the student(s) involved, within one week of the discovery of the suspected infraction and before the imposition of a penalty.

After discussion with the student(s) involved and their response, the instructor(s) shall conclude, within a reasonable period and based on available evidence, whether the suspected violation(s) occurred. Instructors are encouraged to consult with their department/ program head about the nature of the suspected violations, the nature of the evidence of these violations and the range of penalties under consideration. If the conclusion is that the suspected violation(s) did occur, the instructor(s) shall choose an appropriate penalty.

The most severe penalty available at this level of review and action shall be failure in the course or dismissal from a project although instructors may also recommend a more severe penalty, which retains the option to impose more severe penalties (e.g., suspension or dis- missal from the program). Elements to consider include prior incidents of academic disciplinary action can be found in a student's record which is readily available from the Dean. The department/program head may discuss the issue with a student and choose to convene a disciplinary hearing according to the procedures of the department/program.

The student shall be notified immediately, in writing, of this decision, the basis for this decision and the penalty imposed. This notification will come from the instructor and/or department/program head depending on the penalty involved. Students whose penalty is failure in the course in question will not be allowed to drop the course and will be informed. Students should also be informed at this time of their right (and attendant procedures) for an appeal.

Reporting of Initial Action(s)

A copy of the letter outlining the initial decision and action to the student(s) involved in cases of academic disciplinary violations should also be directed to the following parties:

- Dean
- Campus President

The Dean will maintain the central record of academic disciplinary violations and actions. If the head of student affairs is aware of information on prior incidents of academic disciplinary actions in the student's record, he or she will communicate that information to the department/program head and give the department/program head the opportunity to impose an appropriate sanction.

Second-level Review and Action(s)

A second-level review of an initial decision and action follows from at least one of two sources: (1) appeal by the student(s) involved because the student deems the penalty inappropriate and/or believes that improper procedure has been followed, (2) recommendation by the instructor that the student be permanently expelled from the school.

If an appeal is made or a second-level action appears warranted, the Dean will determine what action should be taken. The Dean may decide to deny the appeal or waive the opportunity for a second-level action. They can also forward the case to the department/program head for additional consideration, order a new or different penalty or convene a Review Committee meeting for additional investigation of facts and/or determination of appropriate sanctions.

Harassment Policy

Moore Marine College is committed to creating and maintaining an atmosphere for students and faculty free of all forms of harassment. This includes exploitation, intimidation, sexual harassment and/or any form of harassment based on sex, race, gender, age, disability, sexual orientation, political or religious beliefs, etc. Moore Marine College strongly opposes all forms of harassment as such behavior is prohibited by law and this Institute. Moore Marine College will take whatever action necessary to prevent, correct, and/or discipline behavior that violates this policy.
This statement applies to all students in all educational areas including online and hybrid courses as well as in the field experience educational setting. A student will be withdrawn from the program for violating this Sexual Harassment Policy.

Substance Abuse Policy

Moore Marine College adopts a Drug free policy for all students. Moore Marine College has established this substance abuse policy for its students with the intent to protect the health and safety of all students, faculty, and staff. The use or possession of illegal substances or paraphernalia or alcoholic beverages while at a clinical education site will result in the dismissal of the student from the program and Institute.

Non-Academic Disciplinary Action

Violations of the Code of Conduct, Harassment or Discrimination Policy of this institution will become part of the student's record. Depending on the severity and/or frequency of the violation(s), the faculty may take disciplinary action, including administrative withdrawal from the institution. A student who has become subject to disciplinary action may submit an appeal to the Dean.

Student Grievance Procedures

Moore Marine College is responsible to uphold its students' rights and ensure that the non-discrimination policy is applied for students who choose to file a grievance against the institution for reasons involving discrimination, harassment, violation of a policy, or other.

Students must use the following procedure to file a grievance:

1. Students should first attempt to address the issue with the party responsible in writing. A copy of the communication shall be preserved in the course messaging system.

2. If a satisfactory solution cannot be found, the student may submit a grievance form to the Dean within 21 calendar days of the alleged incident. The grievance form is available upon

request from the Student Services Office.

3. The Dean shall issue a decision within 2 weeks of the grievance submission.

4. The student may appeal the decision within 2 weeks of receiving the Deans decision, and a final decision will be made by the Campus President within 2 weeks of the student appeal.

NOTE: If the complaint cannot be resolved after exhausting the institution's grievance procedure, the student may file a complaint with the Commission for Independent Education.

Complaints

A student or any member of the public may file a complaint about this institution with the Commission for Independent Education at 325 W. Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, (888) 224-6684 toll free or by completing a complaint form, which can be obtained on the Commission's Internet web site http://www.fldoe.org/policy/cie/ .

Student Records and Transcripts

Student records for all students are maintained indefinitely. Transcripts are kept permanently. Students may inspect and review their educational records. To do so, a student should submit a written request identifying the specific information to be reviewed. Should a student find upon review that records are inaccurate or misleading, the student may request that errors be corrected. If a difference of opinion exists regarding the existence of errors, a student may ask that a meeting be held to resolve the matter.

Each student's file will contain student's records, including a transcript of grades earned. Upon graduation, the first two copies of the official transcript are provided at no charge. Subsequent copies are available upon advance payment of the transcript fee of $10.00 per transcript. Transcripts will only be released to the student upon receipt of a written request bearing the student's live signature. No transcript will be issued until all tuition and other fees due the institution are paid current. Students must contact the Student Services Office to request a Transcript Request Form.

STUDENT SUPPORT

2240 Belleair Rd, Suite 204
Clearwater, FL 33764
(727) 454 - 5770

Monday - Friday
9:00 A.M. - 5:00 P.M.

Mooremarinecollege.com

Student Services:
Studentsupport@mooremarinecollege.com

Technical Support:
Techinicalsupport@mooremarinecollege.com

Academic Services

Earning a degree can help students to develop skills that improve professional opportunities after graduation. At Moore Marine College, the Academic Services and Student Support departments strive to provide students with the tools and support needed to succeed both while attending and post-graduation. We offer a variety of services, including:

- Serving as the representative office of the Director of Student Services for the Institution in assisting students in the steps and milestones required to achieve degree completion
- Maintaining records for Moore Marine College of all enrolled and graduated students
- Working with the President in preparing and enhancing the program for the benefit of the students
- Student Accounts is available to help students address any questions related to fees related to enrollment at Moore Marine College

Student Services

The office of Student Services is the central point of contact for assisting students with enrollment and course registration, new student orientation, updated textbook list, and guidance on the various policies and procedures. Student services are provided in three ways: electronically, telephonically or in person.

Career Services

One of the most valuable services provided by Moore Marine College is career assistance for its students and graduates. The purpose of this service is to advise students concerning their careers and to assist every graduate in obtaining employment in the field in which the student has received training. Students will work directly with the Career Services staff who will assist students with resume development, interview preparation and job search assistance. While Moore Marine College offers assistance to its alumni with managing his/her job search efforts, it does not and cannot guarantee job placement or employment or salary ranges to expect after graduation.

Technical Support

The Technical Support Office at Moore Marine College maintains a computing help desk that may be contacted for assistance with any academic computing problems. They can be contacted online at Technicalsupport@mooremarinecollege.com.

Academic Calendar and Holidays

New Year's Day	January 1, 2026

Spring Orientation	January 12, 2026
Spring Semester Begins	**January 12, 2026**
Add/Drop Dates	January 12-16, 2026
Martin Luther King Day	January 19, 2026
Registration for Summer	March 2, 2026
Spring Break	March 16-20, 2026
Presidents' Day	February 16, 2026
Spring Semester Ends	**April 17, 2026**
Summer Orientation	May 11, 2026
Summer Semester Begins	**May 11, 2026**
Add/Drop Dates	May 11-15, 2026
Memorial Day	May 25, 2026
Juneteenth	June 19, 2026
Independence Day	July 4, 2026
Registration for Fall	July 13, 2026
Summer Semester Ends	**August 14, 2026**
Labor Day	September 7, 2026
Fall Orientation	September 9, 2026
Fall Semester Begins	**September 14, 2026**
Add/Drop Dates	September 14-18, 2026
Registration for Spring	October 5, 2026
Columbus Day	October 12, 2026
Veterans Day	November 11, 2026
Thanksgiving Holiday	November 25 - 26, 2026
Fall Semester Ends	**December 12, 2026**
Break	December 12, 2026– January 8, 2027
Christmas Holiday	December 25, 2026

Administrative Staff

- **Alan Moore** – President / Dean
- **Dr. Cara Estes** – Director of Admissions
- **Jessica Place** – Student Support Advisor
- **Nayka Miller** – Registrar

Faculty

- **Dr. Estes, Cara**
  Master – Chemistry – University of South Florida
  Bachelor – Chemistry – North Carolina State University

- **Associate Professor Taylor Langdon**

- **Associate Professor Jessica Place**

- **Associate Professor Nayka Miller**

Required Disclosures

- The policy of this institution is to update the official school catalog annually, in January of each year.
- Annual updates may be made by the use of supplements or inserts accompanying the catalog. If changes in educational programs, educational services, procedures, or policies required to be included in the catalog by statute or regulation are implemented before the issuance of the annually updated catalog, those changes shall be reflected at the time they are made in supplements or inserts accompanying the catalog.
- This institution makes its current catalog and current program brochures available to the public at no charge. Individuals who wish to obtain a copy can make arrangements by simply calling the school's office.
- This institution is a private institution that is approved to operate by the Commission for Independent Education. (CIE) "Approved" means the school operates in compliance with state standards as set forth in Rule 6E-2.002, 6E-1.0032 (Fair Consumer Practices) and 6E-2.004 (Standards and Procedures for Licensure), F.A.C.
- This institution is licensed by the Commission for Independent Education, Florida Department of Education. Additional Information regarding this institution may be obtained by contacting the Commission at 325 West Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, toll-free telephone number (888)224-6684.
- This institution has not had a pending petition in bankruptcy, is not operating as a debtor in possession and has not filed a bankruptcy petition within the preceding five years nor has had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under chapter 11 of the United States Bankruptcy Code.

- As a prospective student, you are required to receive and review this catalog prior to signing an enrollment agreement. You are also required to receive and review the School Performance Fact Sheet, which must be provided to you prior to signing an enrollment agreement.
- The Institution does not guarantee job placement to graduates upon program completion or upon graduation.
- Any questions or additional information a student may have that have not been satisfactorily answered by the institution may be directed to the Commission for Independent Education at 325 W. Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, (888) 224-6684.
- A student or any member of the public may file a complaint about this institution with the Commission for Independent Education at 325 W. Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, (888) 224-6684 toll free.
- This institution is not accredited by an accrediting agency recognized by the United States Department of Education. These programs do not lead to licensure in Florida or other states. A degree program that is unaccredited or from an unaccredited institution is not recognized for some employment positions, including but not limited to, positions with the State of Florida. A student enrolled in an unaccredited institution is not eligible for federal financial aid.
- "Moore Marine College" is a fictitious name Moore Marine College, LLC. and has been approved by the state of Florida.