Marine Science (MS)

MS 501 - INTRO TO OCEANOGRAPHY
Semester Hours: 4
Physics, chemistry, biology, and geology of oceans. For graduate students and those preparing for graduate school or intending to enter marine sciences professionally.

MS 502 - MARINE BOTANY
Semester Hours: 4

MS 503 - MAR INVERTEBRATE ZOO I
Semester Hours: 4

MS 505 - MARINE VERTEBRATE ZOO
Semester Hours: 4

MS 509 - MARINE ECOLOGY
Semester Hours: 4
Bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystems. Lecture, laboratory, and fieldwork. Students admitted without previous marine courses. For engineers and other non-biologists interested in marine environment. Individual species as they relate to ecological principles exemplifying taxonomic and ecologic backgrounds.

MS 510 - MARSH ECOLOGY
Semester Hours: 4
Basic understanding of ecology of salt marsh. Habitat analysis, natural history studies, and population dynamics of selected vertebrates. Specific field problem terminated by a technical paper assigned to each student. For advanced undergraduates and graduate students.

MS 515 - COASTAL ORNITHOLOGY
Semester Hours: 4
Coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution. Food habits, field identification, and population dynamics.

MS 520 - MARINE GEOLOGY
Semester Hours: 4
Sampling techniques, laboratory analysis of sediments, application of research process to problems in identifying sedimentary environments, topography, sediments, and history of world oceans. Beneficial for understanding sedimentary substrate on or in which a large percentage of marine organisms live. Lecture, laboratory, and fieldwork.

MS 525 - MARINE BIOL FOR TEACHERS
Semester Hours: 6

MS 599 - RESEARCH ON SPECIAL TOPICS
Semester Hours: 1-4
Enrollment by special arrangement in any subjects listed.

MS 691 - SPECIAL TOPICS IN MARINE SCIEN
Semester Hours: 1-4