B.S. MARINE BIOLOGY AND CONSERVATION

Marine Biology is the study of life in the ocean and coastal environments, from microscopic plankton to whales. This fully online BS in Marine Biology and Conservation at Husson University provides students with the interdisciplinary knowledge and practical skills necessary to manage and conserve marine organisms and their ecosystems. Marine biologists serve on the front line of ocean stewardship, working to protect marine species, sustain healthy ecosystems, and support human communities by promoting sustainable use of ocean resources, conserving coastal habitats, and mitigating human impacts. This program offers an in-depth exploration of marine biology and conservation that prepares students to enter this dynamic and vital field. Students will take courses in marine ecology, oceanography, conservation biology, fisheries and resource management, and applied field and research methods.

Program Outcomes

1. Identify and classify marine and coastal flora and fauna using natural history, taxonomy, and biogeography principles.
2. Apply biological, ecological, and oceanographic principles to explain marine and coastal ecosystems.
3. Collect, analyze, and interpret data using field, laboratory, and geospatial techniques to address marine science questions.
4. Design conservation and management strategies that integrate ecological, political, social, and economic considerations.
5. Communicate with scientific, professional, and public audiences to advance marine conservation and stewardship.

Notice: As a student enrolled in Husson University's online wildlife-focused program/course, you may engage in outdoor activities that involve wildlife. Such activities are not required by the course and are done on a voluntary basis. Participation in such activities has inherent risks. Neither Husson University nor its faculty and staff are responsible for any injuries, damages, or other harm to self or property that may occur to you and/or the wildlife.

General Education Requirements		
BY 191	General Biology I	3
BL 191	General Biology Lab I	1
CH 180	Principles of Gen Chemistry	3
CX 180	Prin of Gen Chemistry Lab I	1
CM 221	Professional Communications	3
EH 105	College Writing	3
HE 111	The Husson Experience	1-3
or HE 114	Husson Experience & Building Professional Skills	
MS 132	Probability and Statistics	3
PH 220	Environmental Philosophy	3
PY 111	General Psychology	3
PY 231	Social Psychology	3
Fine Arts Elective		3
Foreign Culture and Conversation Elective		3
Literature Elective		3
Math I Elective		3-4
Perspectives Elective		3
Major Requirements		
AB 101	Foundations of Animal Studies	3
AB 201	Animal Behavior	3
BY 192	General Biology II	3
BL 192	General Biology Lab II	1
GS 101	Foundations of Geographic Information Systems (GIS)	3
WB 142	Conservation Biology	3
WB 210	Marine Biology	3
WB 214	Marine Botany and Biodiversity	3
WB 218	Marine Vertebrates: Mammals, Seabirds, and Fishes	3
WB 244	Marine Ecology and Conservation	3
WB 317	Oceanography: From Currents to Climate	3
WB 405	Marine Policy and Resource Management	3
WB 440	Marine Research and Field Techniques	3
WB 480	Wildlife Biology and Conservation Capstone	3
Marine Biology and Conservation Electives		9
Open Electives		27
Total Hours		**118-121**

Depending upon credit hour allocation, students may need an extra open elective to meet minimum credit requirement of 120.