

Department of Biological Sciences

Bachelor of Science

Major in Biology - Marine Biology Curriculum

1. Marine Biology and Oceanography are graduate programs at most universities. Therefore, it is possible for a student to earn a bachelor's degree at Emporia State University and then transfer to an institution which has a graduate curriculum in marine science and not be at a disadvantage by graduating from an inland school. If you intend to obtain a degree from ESU before transferring to another institution, it is recommended you follow the B.S. with a major in biology and a concentration in either General Biology or Environmental Biology.
2. In general, undergraduates at other universities have the chance to take only one or two introductory level courses in marine science, and it is probably necessary for them to attend a marine station during the summer months. You are encouraged to attend a marine field station during the summer. Remember, there is no better way to determine whether your interest in marine biology is real than to gain actual experience in this field of study.
3. In most instances, schools offering graduate programs in marine biology expect entering students to have a broad background in biology, the physical sciences, and mathematics. During your junior year it is recommended that you establish direct communication with the schools of your choice concerning specific requirements and procedures for entering their graduate programs.
4. Job opportunities are competitive; some information concerning careers and employment is available in the Biology office.
5. The following courses, or their equivalent, are often required by schools offering programs in marine biology.

GB 140-141.....	Principles of Biology and Lab.....	4
BO 212-213.....	Biology of Plants and Lab.....	4
ZO 214-215.....	Biology of Animals and Lab.....	4
MC 316-317.....	Microbiology and Lab.....	4
ZO 546-547.....	Invertebrate Zoology and Lab.....	4
ZO 556-557.....	Natural History of Vertebrates and Lab.....	4
EB 480.....	Principles of Ecology.....	3
EB 481.....	Field Ecology.....	2
CH 123-124.....	Chemistry I and Lab.....	5
CH 126-127.....	Chemistry II and Lab.....	5
CH 370-371.....	General Organic Chemistry and Lab.....	5
PH 140-141.....	College Physics (or PH 142 and 143).....	5
MA 165.....	Basic Calculus (or MA 161).....	5

Course work in computer programming, physiology, and earth science is usually desirable, since they are often a requirement for a biology major at institutions offering a program in marine biology. Some of the courses taken at a marine field station may substitute for certain courses in the above list.

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MARINE SCIENCE PROGRAMS

Wrigley Marine Science Center
University of Southern California
AHF 232
Los Angeles, CA 90089-0371
<http://wrigley.usc.edu>

Duke University Marine Laboratory
Nicholas School of the Environment
135 Duke Marine Lab Rd.
Beaufort, NC 28516-9521
www.env.duke.edu/marinelab/marine.html

Hopkins Marine Station of Stanford Univ.
Oceanview Blvd.
Pacific Grove, CA 93950-3094
www-marine.stanford.edu/

LUMCON - LA Univ. Marine Consortium
8124 Hwy 56
Chauvin, LA 70344
www.lumcon.edu/

Oregon Institute of Marine Biology
PO Box 5389, 4619 Boat Basin Dr.
Charleston, OR 97420
darkwing.uoregon.edu/~oimb/

Woods Hole Marine Biological Laboratory
7 MBL Street
Woods Hole, MA 02543
www.mbl.edu

Shoals Marine Laboratory
GH 14 Stimson Hall
Cornell University
Ithaca, NY 14883
www.sml.cornell.edu

Scripps Institute of Oceanography
Univ. of California, San Diego
9500 Gilman Dr., Dept. 0219
San Diego, CA 92093-0219
www.sio.ucsd.edu/

School of Oceanography
Box 357940
University of Washington
Seattle, WA 98195-7940
www.ocean.washington.edu/

Dept. of Oceanography
329OSB, West Call Street
Florida State University
Tallahassee, FL 32306-4320
ocean.fsu.edu/~www/

Marine Science Program
Univ. of South Carolina
Columbia, SC 29208
inlet.geol.sc.edu/marine-science/

Marine Science Center
Northeastern University
East Point, Nahant, MA 01908
www.dac.neu.edu/msc/

Florida Institute of Technology
College of Engineering
Div. of Marine & Environment Systems
150 West University Blvd.
Melbourne, FL 32901-6975
www.fit.edu/AcadRes/dmes/

Dept. of Marine Science
University of South Florida
140 7th Ave. South
St. Petersburg, FL 33701
www.marine.usf.edu

Dauphin Island Sea Lab
101 Bienville Blvd.
Dauphin Island, AL 36528
www.disl.org

Center for Marine Science
UNC - Wilmington
5001 Masonboro Loop Rd.
One Marvin K. Moss Ln.
Wilmington, NC 28409
www2.uncwil.edu/cmsr

Marine Science Program
University of North Carolina
12-7 Venable Hall, CB #3300
Chapel Hill, NC 27599-3300
www.marine.unc.edu

Dept. of Marine Science
Univ. of Texas at Austin
Marine Science Institute
750 Channel View Dr.
Port Aransas, TX 78373-5015
www.utmsi.zo.utexas.edu/

Hawaii Institute of Marine Biology
PO Box 1346
Kane'ohe, Hawaii 96744
www.hawaii.edu/HIMB

Biology Web Site: <http://biology.emporia.edu>