



Aquatic Biology, B.S. *major*

Aquatic Systems Emphasis

Required Credits: 77
 Required GPA: 2.25

I REQUIRED BIOLOGY CORE COURSES

COMPLETE THE FOLLOWING COURSES:

- BIOL 1211 Introductory Biology I (4 credits)
- BIOL 1212 Introductory Biology II (4 credits)
- BIOL 2360 Genetics (4 credits)
- BIOL 2610 General Ecology (3 credits)
- BIOL 2620 Field and Laboratory Projects in Ecological Research (2 credits)

II REQUIRED AQUATIC BIOLOGY CORE COURSES

COMPLETE THE FOLLOWING COURSES:

- BIOL 4200 Freshwater Invertebrates (4 credits)
- BIOL 3361 Limnology I (4 credits)
- BIOL 3362 Limnology II (4 credits)
- BIOL 3554 Readings in Aquatic Biology (1 credit)
- BIOL 3830 Aquatic Plants (4 credits)

III CAPSTONE EXPERIENCE

Complete option A or B.

A. COMPLETE THE FOLLOWING COURSES:

- BIOL 4894 Advanced Research Project I (2 credits)
- BIOL 4895 Advanced Research Project II (2 credits)

B. COMPLETE SOME OTHER CAPSTONE EXPERIENCE APPROVED

BY YOUR BIOLOGY ACADEMIC ADVISOR AND THE DEPARTMENT

AQUATIC SYSTEMS EMPHASIS

REQUIRED CORE COURSES

COMPLETE THE FOLLOWING COURSE:

- BIOL 4534 Ichthyology (4 credits)

ELECTIVE CORE COURSES

SELECT A MINIMUM OF 12 CREDITS FROM THE FOLLOWING:

- BIOL 3310 Entomology (4 credits)
- BIOL 3630 Conservation Biology (3 credits)
or GEOG 3630 Conservation Biology (3 credits)
- BIOL 3723 Ecosystem Ecology (3 credits)
- BIOL 3850 Marine Biology (3 credits)
- BIOL 4620 Evolution (3 credits)
- CHEM 3150 Standard Methods of Water Analysis (3 credits)
- GEOG 3231 Introduction to Geographic Information Systems (3 credits)

ADDITIONAL ELECTIVES

SELECT AN ADDITIONAL 3-4 CREDITS OF BIOLOGY ELECTIVES AT THE 3000 LEVEL OR ABOVE.

V REQUIRED COURSES IN RELATED FIELDS

COMPLETE THE FOLLOWING COURSES:

- CHEM 2211 Principles of Chemistry I (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)
- STAT 2610 Applied Statistics (4 credits)
or PSY 3401 Basic Statistics for Research (4 credits)

SELECT 1 OF THE FOLLOWING COURSES:

- PHYS 1101 General Physics I (4 credits)
- PHYS 2101 Physics I (5 credits)

SELECT 1 OF THE FOLLOWING COURSES:

- PHYS 1102 General Physics II (4 credits)
- PHYS 2102 Physics II (5 credits)