

Fisheries and Aquatic Sciences Major Degree Plan

Students should meet regularly with their faculty advisor and carefully plan their academic program, keeping in mind that many upper-division courses have prerequisites and must be taken in sequence.

The first two years of study include courses designed to give the student a sound scientific background, an introduction to the field of natural resources management, and an introduction to aquatic and earth resources.

Students following the recommended schedule listed below should be able to complete degree requirements in four years (eight semesters).

Freshman Year (29 credits)

Fall Semester (15 credits)

BIOL 1610 Biology I	4
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
MATH 1050 (QL) College Algebra.....	4
WATS 1020 Watershed Sciences Professional Orientation	1
Breadth American Institutions (BAI) course.....	3

Spring Semester (14 credits)

BIOL 1620 (BLS) Biology II.....	4
MATH 1100 (QL) Calculus Techniques	3
WATS 4980 Watershed Sciences Departmental Seminar.....	1
Breadth Creative Arts (BCA) course.....	3
Breadth Humanities (BHU) course	3

Sophomore Year (33 credits)

Fall Semester (16 credits)

CHEM 1210 Principles of Chemistry I	4
CHEM 1215 Chemical Principles Laboratory I	1
STAT 3000 (QI) Statistics for Scientists	3
WATS 2930 Introduction to Geographic Information Sciences	4
WATS 3100 (CI) Fish Diversity and Conservation.....	3
WATS 3110 Fish Diversity Laboratory.....	1

Spring Semester (17 credits)

CHEM 1220 (BPS) Principles of Chemistry II	4
CHEM 1225 Chemical Principles Laboratory II	1
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode	3
NR 2220 General Ecology.....	3
WATS 3700 (CI) Fundamentals of Watershed Science.....	3
Breadth Social Sciences (BSS) course	3

Junior Year (30 credits)

Fall Semester (14 credits)

PHYS 2110 General Physics—Life Sciences I.....	4
WATS 4930 Geographic Information Systems	4
Directed Elective or General Elective courses	6

Spring Semester (16 credits)

WATS 4310 Wetland Ecology and Management	3
WATS 4490 Small Watershed Hydrology.....	4
WATS 4500 Limnology: Ecology of Inland Waters	3
WATS/BIOL 5550 Freshwater Invertebrates.....	3
Depth Humanities and Creative Arts (DHA) course.....	3

Senior Year (31 credits)

Fall Semester (15 credits)

ENVS 4000 (DSS) Human Dimensions of Natural Resource Management.....	3
Capstone Course (WATS 4510 and 4530 recommended)	3
Directed Elective or General Elective courses	9

Spring Semester (16 credits)

WATS 4650 Principles in Fishery Management	3
WATS 5200 Fish Habitats	2
Directed Elective or General Elective courses	11