

Environmental Science & Research (ESR) Concentration

ADMISSION to the B.S. in Coastal & Environmental Sciences curriculum requires that a student be admissible to the College of the Coast & Environment; earned at least 24 semester hours of college credit; have a Cumulative and LSU GPA of at least 2.0; and have passed all courses in mathematics and science with a "C" or better; or received special approval from the dean of the school.

BASIC SCHOLASTIC EXPECTATIONS.

* Maintain a minimum 2.0 Cumulative and LSU GPA.

* Maintain a minimum 2.0 GPA in the major field.

* At least 30 of the hours required for this degree must be taken at the 3000/4000-level. See the LSU General Catalog for information on University, College, major, and minor residency requirements.

CRITICAL REQUIREMENTS

Sem 1: Credit in MATH 1022/MATH 1023; 2.0 Cumulative and LSU GPA.

Sem 2: "C" or better in CHEM 1201; "C" or better in ENGL 1001 or 1004; 2.0 Cumulative and LSU GPA.

Sem 3: "C" or better in BIOL 1201; 2.0 Cumulative and LSU GPA.

Sem 4: "C" or better in CHEM 1202; 2.0 Cumulative and LSU GPA.

Sem 5: "C" or better in MATH 1552; 2.0 Cumulative and LSU GPA.

RECOMMENDED PATH**Semester 1**

Critical: Credit in MATH 1022/1023; 2.0 Cumulative and LSU GPA.

OCS/ENVS 1010 INTRODUCTION TO COASTAL ENVIRONMENTAL SCIENCES	1
ENVS 1126/1127 INTRODUCTION TO ENVIRONMENTAL SCIENCES	3
BIOL 1201 BIOLOGY FOR SCIENCE MAJORS I	3
BIOL 1208 BIOLOGY LAB FOR SCIENCE MAJORS I	1
CHEM 1201 GENERAL CHEMISTRY I	3
MATH 1550 ANALYTIC GEOMETRY & CALCULUS I	5
Total Semester Hours:	16

Semester 2

Critical: "C" or better in CHEM 1201; "C" or better in ENGL 1001 or 1004; 2.0 Cumulative and LSU GPA.

ENGL 1001 ENGLISH COMPOSITION	3
BIOL 1202 BIOLOGY FOR SCIENCE MAJORS II	3
BIOL 1209 BIOLOGY LAB FOR SCIENCE MAJORS II	1
CHEM 1202 GENERAL CHEMISTRY II	3
CHEM 1212 GENERAL CHEMISTRY LABORATORY	2
GEN. ED. COURSE - ARTS	3
Total Semester Hours:	15

Semester 3

Critical: "C" or better in BIOL 1201; 2.0 Cumulative and LSU GPA.

ENGL 2000 ENGLISH COMPOSITION	3
CHEM 2261 ORGANIC CHEMISTRY	3
OCS 2007 INTRO TO MARINE SCIENCES: GEOLOGICAL AND PHYSICAL	3
APPROVED ELECTIVES	2
MATH 1552 ANALYTIC GEOMETRY & CALCULUS II	4
Total Semester Hours:	15

Semester 4

Critical: "C" or better in CHEM 1202; 2.0 Cumulative and LSU GPA.

CHEM 2262 ORGANIC CHEMISTRY	3
OCS 2008 INTRO TO MARINE SCIENCES: LIFE PROCESSES	3
MATH 2057 MULTIDIMENSIONAL CALCULUS or EXST 2201 INTO TO STATISTICAL ANALYSIS	3-4
BIOL 2051 GENERAL MICROBIOLOGY or BIOL 2153 PRINCIPLES OF GENETICS	4
GEN. ED. COURSE - SOCIAL SCIENCES	3
Total Semester Hours:	16-17

Semester 5

Critical: "C" or better in MATH 1552; 2.0 Cumulative and LSU GPA.

OCS 2020 INTRO TO MARINE SCIENCES: LAB	2
CHEM 2364 ORGANIC CHEMISTRY LABORATORY	2
MATH 2065 ELEMENTARY DIFFERENTIAL EQUATIONS or ENVS 3102 MATHEMATICAL METHODS IN SCI or OCS 4410 ECOSYSTEM MODELING & ANALYSIS	3
PHYS 2110 PARTIAL MECHANICS	3
PHYS 2108 GENERAL PHYSICS LABORATORY FOR MAJORS	1
GEN. ED. COURSE - SOCIAL SCIENCES (2000-level)	3
Total Semester Hours:	14

Semester 6

ENVS/OCS 3999 UNDERGRADUATE RESEARCH	2
PHYS 2113 FIELDS: GRAVITY, ELECTRICITY, & MAGNETISM	3
PHYS 2109 GENERAL PHYSICS LABORATORY FOR MAJORS	1
OCS 3103 GLOBAL ENVIRONMENTAL CYCLES	3
GEN. ED. COURSE - HUMANITIES	3
APPROVED CES ELECTIVES	3
Total Semester Hours:	15

Semester 7

GEN. ED. COURSE - HUMANITIES	3
APPROVED ELECTIVES	3
APPROVED CES ELECTIVES	2
Total Semester Hours:	15

Semester 8

ENVS/OCS 4999 CAPSTONE IN CES	1
GEN. ED. COURSE - HUMANITIES	3
APPROVED ELECTIVES	3-4
APPROVED CES ELECTIVES	6
Total Semester Hours:	13-14

Required Total Hours

120

