

ACES Concentration

(Applied Coastal Environmental Science Concentration)

ADMISSION to the B.S. in Coastal Environmental Science 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 1022/1023; 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 MATH 1550; 2.0 Cumulative and LSU GPA.
- Sem 5: "C" or better in EXST 2201; 2.0 Cumulative and LSU GPA.

RECOMMENDED PATH

Semester 1

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

ENVS/OCS 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 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
BIO 1202 BIOLOGY FOR SCIENCE MAJORS II	3
BIO 1209 BIOLOGY 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
EXST 2201 INTO TO STATISTICAL ANALYSIS	4
Total Semester Hours:	15

Semester 4

Critical: "C" or better in MATH 1550; 2.0 Cumulative and LSU GPA

CHEM 2001 ANALYTICAL CHEMISTRY	3
CHEM 2002 ANALYTICAL CHEMISTRY LABORATORY	1
OCS 2008 INTRO TO MARINE SCIENCES: LIFE PROCESSES	3
OCS 2011 INTRO TO MATLAB FOR COASTAL SCIENCES	3

Semester 4 cont'd

BIOL 2051 GENERAL MICROBIOLOGY or BIOL 2153 PRINCIPLES OF GENETICS or LA 2401 LANDSCAPE ECOLOGY	3-4
or OCS 2050 COASTAL SYSTEMS ECOLOGY & ECOS or RNR 2101 ECOLOGY OF RENEWABLE NATURAL	
GEN. ED. COURSE – SOCIAL SCIENCES	3
Total Semester Hours:	16-17

Semester 5

Critical: "C" or better in EXST 2201; 2.0 Cumulative and LSU GPA.

OCS 2020 INTRO TO MARINE SCIENCES: LAB	2
EXST 3201 STATISTICAL ANALYSIS II or MATH 1552 CALCULUS II or OCS 4410 ECOSYSTEM MODELING & ANALYSIS	3-4
OCS 3103 GLOBAL ENVIRONMENTAL CYCLES	3
PHYS 2001 GENERAL PHYSICS I	3
PHYS 2108 GENERAL PHYSICS LABORATORY FOR MAJORS	1
APPROVED CES ELECTIVE	3
Total Semester Hours:	16-17

Semester 6

ENVS 3102 MATHEMATICAL METHODS IN SCIENCE	3
PHYS 2002 GENERAL PHYSICS II	3
PHYS 2109 GENERAL PHYSICS LABORATORY FOR MAJORS	1
GEN. ED. COURSE – HUMANITIES	3
APPROVED ELECTIVES	4
Total Semester Hours:	14

Semester 7

ENVS 4149 DESIGN OF ENVIRON MGMGT SYSTEMS	3
GEN. ED. COURSE – HUMANITIES	3
GEN. ED. COURSE - SOCIAL SCIENCES (2000-level)	1
APPROVED CES ELECTIVES	6
Total Semester Hours:	14

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