

Environmental Health Science (ENHS) Concentration

(3+2 program w/LSUHSC School Public Health)

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
MATH 1552 ANALYTIC GEOMETRY & CALCULUS II	4
GEN. ED COURSE – SOCIAL SCIENCES	3
Total Semester Hours:	16

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
EXST 2201 INTO TO STATISTICAL ANALYSIS	4
BIOL 2051 GENERAL MICROBIOLOGY	4
Total Semester Hours:	14

Semester 5

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

CHEM 2364 ORGANIC CHEMISTRY LABORATORY	2
PHYS 2110 PARTIAL PHYSICS	3
ENVS 4477 ENVIRONMENTAL TOXICOLOGY	3
GEN. ED. COURSE – HUMANITIES	3
GEN. ED. COURSE - SOCIAL SCIENCES (2000-level)	3
Total Semester Hours:	14

Semester 6

PHYS 2113 FIELDS: GRAVITY, ELECTRICITY, & MAGNETISM	3
OCS 3103 GLOBAL ENVIRONMENTAL CYCLES	3
GEN. ED. COURSE – HUMANITIES (2 courses)	6
APPROVED CES ELECTIVES	3
Total Semester Hours:	15

Semester 7 – LSUHSC School of Public Health

BIOS 6100 BIostatistics (CES math requirement) (4 hrs)	3*
BCHS 6212 PRINCIPLES OF HEALTH BEHAVIOR (CES elective)	3
ENHS 6238 PRINCIPLES OF ENVIRONMENTAL HEALTH	3
ENHS 6243 AIR QUALITY, AIR POLLUTION & DISPERSION MODELING (CES elective, physical science)	3
EPID 6210 PRINCIPLES OF EPIDEMIOLOGY (CES elective)	3
Total Semester Hours:	15

Semester 8 – LSUHSC School of Public Health

ENHS 6241 MEDICAL TOXICOLOGY (CES elective, biology)	3
ENHS 6245 HEALTH RISK ASSESSMENT & MANAGEMENT COMMUNICATION (CES elective, policy)	3
ENHS 6246 WATER QUALITY MANAGEMENT (CES elective, chemistry)	3
ENHS 6400 INDEPENDENT STUDY (CES research requirement)	2
EPID 6216 BIOLOGICAL BASIS OF HEALTH (CES elective)	3
PUBH 6221 RESEARCH ETHICS (CES elective)	1
Total Semester Hours:	15

Required Total Hours 120

* 3 hrs of the BIOS 6100 BIostatistics course covers the remaining math course requirement of the CES bachelor degree.

