

Environmental Health Science (ENHS) Concentration

(2+2 program with LSUHSC School of Public Health)

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/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

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
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

Semester 4 cont’d

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 ELECTIVE	3
Total Semester Hours:	15

Semester 7 – LSUHSC School of Public Health

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

Semester 8 – LSUHSC School of Public Health

ENHS 6241 MEDICAL TOXICOLOGY (<i>CES elective, biology</i>)	3
ENHS 6245 HEALTH RISK ASSESSMENT & MANAGEMENT COMMUNICATION (<i>CES elective, policy</i>)	3
ENHS 6246 WATER QUALITY MANAGEMENT (<i>CES elective, chemistry</i>)	3
ENHS 6400 INDEPENDENT STUDY (<i>CES research requirement</i>)	2
EPID 6216 BIOLOGICAL BASIS OF HEALTH (<i>CES elective</i>)	3
PUBH 6221 RESEARCH ETHICS (<i>CES elective</i>)	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.