Degree Requirements for the Baccalaureate Degree in Earth and Environmental Sciences (EES)

(including specific requirements for each of the four concentrations)

EES INTRO COURSES

EES 1000 - Dynamic Earth - *required before taking EES 1004* (3) _____
EES 1001 - Dynamic Earth Laboratory - *required before taking EES 1005* (1) _____
EES 1002 - Introduction to Environmental Science (3) _____
EES 1003 - Introduction to Environmental Science Laboratory (1) _____
EES 1004 - Earth and Environment through Time (3) _____
EES 1005 - Earth and Environment through Time Laboratory (1) _____

12 credit hours

EES FOUNDATION COURSES

EES 2100 - Geomorphology (3) _____
EES 2000 - Methods in Earth and Environmental Sciences (field course) (3) _____
EES 2700 - Earth Materials (3) _____
EES 4000 - Statistical Methods in Earth and Environmental Sciences (3) _____
EES 4020 - Geospatial Analysis I (3) _____
EES 4099 - Senior Seminar in Earth and Environmental Sciences (2) _____
EES 4224 - Environmental Geology of Coastal Louisiana (3) _____

20 credit hours

COLLEGE OF SCIENCE REQUIRED COURSES

MATH 1126 - Precalculus Trigonometry (3) _____
MATH 2107 - Calculus and Analytic Geometry I - *required by EES* (3) _____
BIOS 1071 - Biodiversity Laboratory (1) _____
BIOS 1073 - Biodiversity (3) _____
CHEM 1017 - General Chemistry (3) _____
PHYS 1031 - General Physics I *or* PHYS 1061 - Physics for Sci/Eng (3) _____
and
Eighteen *credit hours in Science electives as follows:* _____
Science electives must include completion of an ***eight*** *hour sequence with* _____
labs in BIOS, CHEM, or PHYS. This requirement may be fulfilled with BIOS _____
1081, 1083; or BIOS 2014 (single four hour course); or CHEM 1018, 1023; or
PHYS 1032, 1033, or 1034. (Students may substitute CHEM 1028 for 1023 _____
and, with the appropriate math prerequisites, PHYS 1062, 1063, and 1065 for (> 2000)
PHYS 1032, 1033, and 1034.) The remaining hours of science electives _____
(which may include mathematics beyond the first level of calculus) must be (> 2000)
approved by an EES advisor and nine of which must be at the 2000-level or _____
above. (> 2000)

34 credit hours

REQUIRED COURSES *OUTSIDE* OF THE COLLEGE OF SCIENCE

ENGL 1157 - English Composition I (3) _____
ENGL 1158 - English Composition II (3) _____
Two *other courses in* Literature: course 1 (3) _____
NOTE: ENGL 2152 cannot be used course 2 (3) _____
SOC 1051 - Introductory Sociology (3) _____
One *course in* Fine Arts or Music (3) _____
Of the remaining ***fifteen*** *credit hours,* ***three*** *must be in Social Sciences,*
three *must be in the Humanities, and* ***six*** *must in courses at or above 2000.*

_____ _____ _____ _____ _____
(Soc. Sci.) (Humanities)

33 credit hours

Core Courses for each of the Four EES Concentrations

GEOLOGY	COASTAL SCIENCE AND RESTORATION	ENVIRONMENTAL SCIENCE AND POLICY	PETROLEUM GEOLOGY
EES 2740 - Princ. Paleontology (3) ____	EES 3760 - Intro. Ocean. (3) _____	EES 2510 - Env. Sci. Policy (3) _____	EES 2400 - Int. Petrol. Geo. (3) _____
EES 3100 - Earth Struc. (3) _____	EES 3120 - Intro. Coast. R & M.(3) ____	EES 3760 - Intro. Ocean. (3) _____	EES 2740 - Princ. Paleontology (3) ____
EES 3310 - Ign. Sed. Met. Pet. (3) _____	EES 4450 - Geospat. II (3) _____	EES 3000 - Ecosys. Analyses (3) ____	EES 3100 - Earth Struc. (3) _____
EES 4450 - Geospat. II (3) _____	EES 4550 - Coast. Geomor. (3) _____	EES 4520 - Est. Env. Sci. (3) _____	EES 3310 - Ign. Sed. Met. Pet. (3) _____
EES 4750 - Princ. Stratig. (3) _____	EES 4900 - Coast. Process. (3) _____	EES 4949 - Nat. Res. Mgmt. (3) _____	EES 4110 - Intro. Geophys. (3) _____
*Plus another **three** hours in Geology Concentration electives such as:*	*Plus another **three** hours in Coastal Science Concentration electives such as:*	*Plus another **three** hours in Environ. Science Concentration electives such as:*	*Plus another **three** hours in Petroleum Geology Concentration electives such as:*
EES 4770 - Basin Analysis (3) _____	EES 4520 - Est. Env. Sci. (3) _____	EES 3120 - Intro. Coast. R & M.(3) ____	EES 4770 - Basin Analysis (3) _____
EES 4110 - Intro. Geophys. (3) _____	EES 4600 - Deltaic Geology (3) _____	EES 4900 - Coast. Process. (3) _____	EES 4840 - Explor. Seis. (3) _____
EES 4096 - Spec. Top. in Geo. (3) _____	EES 4097 - Spec. Top. in C.S. (3) _____	EES 4094 - Spec. Top. in E. S. (3) ___	EES 4095 - Spec. Top. P. Geo. (3) ____

each 18 credit hours

A. BA 1000 - Introduction to Business Administration (3) _____

B. ***Six*** *hour sequence or combination in one non-science field based on your EES concentration:* _____ _____

Examples of possible options:

OTHER COURSES

Six *hours in* SOC - *for example:*
SOC 4098 - Socio-Geological Coastal Louisiana (3)
SOC 4871 - Sociology of the Environment (3)

or

Six *hours in* BA - *for example:*
BA 3010 - The Legal Environment of Business (3)
BA 3080 - Corporate Social Responsibility (3)

or

Six *hours in* GEOG - *for example:*
GEOG 4158 - Environmental Impact Assessment (3)
GEOG 4530 - Biogeography (3)

or

Six *hours in* MANG - *for example:*
MANG 4473 - Environmental Management (3)
MANG 4710 - Management of Technology and Innovation (3)

9 credit hours

(19 September 2007)

TOTAL DEGREE CREDIT HOURS = 126

SOC 4098 Socio-Geological Coastal Louisiana (3) _____

SOC 4871 Sociology of the Environment (3) _____
GEOG 4530 Biogeography (3)
GEOG 4158 Environmental Impact Assessment (3)
SOC 2871 The Environment as a Social Problem (3) _____
ECON 1203 Principles of Microeconomics (3) _____
PHIL 4205 Environmental Ethics or equivalent (3) _____

Six hours in SOC for example: SOC 4098 and SOC 4871	Six hours in BUS for example: BUS 4XXX and BUS 4XXX	Six hours in GEOG for example: GEOG 4158 and GEOG 4530	Six hours in PHIL for example: PHIL 4205 and PHIL 4XXX

EES 6XXX - Coast.
EES 6XXX - Coast.

ENV SCI LEAVINS BELOW
EES 3XXX - Geospat. II

EES 4XXX - Env. Geol.
EES 4550 - Coast.

EES 4735 - Hydrogeol.