

## SUGGESTED ROADMAP FOR ENVIRONMENTAL SCIENCE DEGREE

### Freshman Year

Fall			Spring		
ENG 1301	Composition	3	ENG 1302	Rhetoric	3
BIOL 1401	General Biology I* <sup>1</sup>	4	BIOL 1402	General Biology II* <sup>1</sup>	4
CHEM 1101	General Chemistry Lab I* <sup>1</sup>	1	CHEM 1102	General Chemistry Lab II* <sup>1</sup>	1
CHEM 1301	General Chemistry* <sup>1</sup>	3	CHEM 1302	General Chemistry II* <sup>1</sup>	3
ANTH, ECO, PSY, SOC, CRJ	Social Science 3 hrs from list	3	MATH 1401	Calculus*	4
UNIV 1301	Learning Framework (if	(3)	CSCI or CIS xxxx	Introduction to Computers	2
	Hours	14		Hours	17

### Sophomore Year

Fall			Spring		
ENG 23xx			ART, COMM, DANC, LAMS, MUS	Visual or Performing Arts 3 hrs from list	3
POLS 2313	Sophomore Literature	3	POLS 2314	US and Texas Government II	3
PHIL, MCLL, ANTH	US and Texas Government I	3	GEOL 1402	Historical Geology* <sup>1</sup>	4
PHIL, MCLL, ANTH	Philosophy or Modern/Classical Language		PHYS 1402	General Physics II* <sup>1</sup>	4
ANTH	Literature 3 hrs from list	3	MATH 2330	Elementary Statistics and Probability	3
GEOL 1401	Physical Geology* <sup>1</sup>	4		Hours	17
PHYS 1401	General Physics I* <sup>1</sup>	4		Hours	17
	Hours	17		Hours	17

### Junior Year

Fall			Spring		
HIST 2313	American Heritage I	3	HIST 2314	American Heritage II	3
BIOL 2305	Environmental Biology <sup>2</sup>	3	BIOL 3409	Ecology <sup>2</sup>	4
Req. Elective		4	Req. Elective		4
Req. Elective		4	Prerequisite or Free elective		3
	Hours	14		Hours	14

### Senior Year

Fall			Spring		
ENSC 3400	Environmental Science & Public Policy*	4	ENSC 3401	Environmental Regulations and Impact Analysis*	4
BIOL 3404	Conservation Biology*	4	Req. Elective		4
Req. Elective		3	Req. Elective		3
Req. Elective or Free elective		3	Req. Elective or Free elective		3
Req. Elective or Free elective		4			
	Hours	18		Hours	14
	Fall Semester Hours	63		Spring Semester Hours	62

#### \* Required course

<sup>1</sup> Prerequisite for Required course ENSC 3400 (Environmental Science & Public Policy)

<sup>2</sup> Prerequisite for Required course BIOL 3404 (Conservation Biology)

#### Prerequisites for Specific Required Electives (minimum 21 hrs required)

Course	Prerequisite(s)
BIOL 2305 Environmental Biology	None
BIOL 3409 Ecology	12 hours Biology
BIOL 4403 Introduction to Remote Sensing Technology	None
BIOL 4416 Environmental Toxicology	BIOL 3412 (Cell Biology), CHEM 2302/2102 Organic Chemistry I, and CHEM 2303/2103 Organic Chemistry II or Chem 3303/3103 Biochemistry
CHEM 2101 Analytical Chemistry Lab	Prerequisite/Corequisite CHEM 2301 Analytical Chemistry
CHEM 2301 Analytical Chemistry	CHEM 1302/1102 General Chemistry
CHEM 4104 Instrumental Analysis Lab	Prerequisite/Corequisite CHEM 4304 Instrument Analysis
CHEM 4304 Instrumental Analysis	CHEM 2301/2101 Analytical Chemistry
CHEM 4401 Environmental Chemistry	CHEM 2301/2101 Analytical Chemistry
GEOL 3308 Introduction to Geographic Information Systems	None
GEOL 4302 Environmental Geology	None
GEOL 4408 Application of Geographic Information Systems	GEOL 3308 Introduction to Geographic Information Systems