

# ACADEMIC MAP

## Environmental & Occupational Safety/Emergency Response, Bachelor of Applied Arts and Sciences



First Year		Hours		Third Year		Hours	
<b>Fall</b>				<b>Fall</b>			
UNIV 1101	University Seminar I	1		GISC 1470	Geospatial Systems I	4	
ENGL 1301	Writing and Rhetoric I	3		ESCI 3202	Professional Skills	2	
POLS 2306	State and Local Government	3		College Core		3	
College Core		3		Language, Philosophy & Culture Core Requirement		3	
College Core		3		GEOL 1403	Physical Geology	4	
College Core		3		<b>Hours</b>		<b>16</b>	
<b>Hours</b>				<b>16</b>			
<b>Spring</b>				<b>Spring</b>			
UNIV 1102	University Seminar II	1		ESCI 4301	Environmental Regulations	3	
ENGL 1302	Writing and Rhetoric II	3		POLS 3341	Introduction to Public Administration	3	
	or COMM 1311 or Foundation of Communication			CHEM 3411	Organic Chemistry I	4	
POLS 2305	U.S. Government and Politics	3		BIOL 2421	Microbiology	4	
MATH 1332	Contemporary Mathematics	3		Upper Divisional Elective		3	
	or PHIL 2303 or Introduction to Logic and Critical Thinking			<b>Hours</b>		<b>17</b>	
College Core		3		<b>Fourth Year</b>			
College Core		3		<b>Fall</b>			
<b>Hours</b>				<b>16</b>			
<b>Second Year</b>				<b>Fall</b>			
<b>Fall</b>				<b>Fall</b>			
College Core		3		UNIV 4350	University Studies Capstone	3	
College Core		3		COMM 4335	Crisis Communication	3	
HIST 1301	U.S. History to 1865	3		CHEM 4443	Environmental Chemistry	4	
PSYC 2301	General Psychology	3		ESCI 4320	Environmental Health	3	
CHEM 1411	General Chemistry I	4		Upper Divisional Elective		3	
<b>Hours</b>		<b>16</b>		<b>Hours</b>		<b>16</b>	
<b>Spring</b>				<b>Spring</b>			
College Core		3		CHEM 4490	Special Topics	4	
CHEM 1412	General Chemistry II	4		ESCI 3443	Environmental Biology	4	
HIST 1302	U.S. History Since 1865	3		ESCI 4498	Internship in Environmental Science	4	
ESCI 1401	Environmental Science I: Intro to Environmental Science	4		GEOL 3443	Environmental Geology	4	
Creative Arts Core Requirement		3		<b>Hours</b>		<b>16</b>	
<b>Hours</b>				<b>17</b>			
				<b>Total Hours</b>		<b>130</b>	



# CAREER MAP

## ENVIRONMENTAL AND OCCUPATIONAL SAFETY

### *Bachelor of Applied Arts and Science*



The environmental and occupational safety/emergency response track prepares students who plan to work as environmental safety officers, management of workplace safety issues, or in an emergency response field. Students who wish to work for the Texas Commission on Environmental Quality should be aware that a large majority of their jobs require a bachelor's degree. For those who plan to move directly into the oilfields or refinery work after earning their bachelor's, this track provides students with professional certifications meeting industry standards. In ESCI 4370, students receive 4 professional certifications (ICS 100, ICS 700, HAZWOPER, and HAZWOPER Supervisor). The course satisfies the 40-hour off-site employee training requirements for U.S. OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations as specified in 29 CFR 1910.120 as well as the Resource Conservation and Recovery Act of 1976 (RCRA) and Section 126 of the Superfund Amendments and Reauthorization Act (SARA). This course qualifies students to support, and supervise, emergency response operations at the local, state, and federal level. Students receive 3 professional certifications in ESCI 4430 (ICS 100, ICS 700, (or ICS 200 and 800)) in addition to the 40-hour training HAZWOPER for Oil Spill Response. The course meets the off-site training requirements for U.S. OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations as specified in 29 CFR 1910.120 and qualifies students to support oil spill response operations at the local, state, and federal level.

### CONTACT INFORMATION

**Career Counselor:**

Career & Professional Development  
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### CAREER OPTIONS

- Environmental safety officers
- Emergency response
- Industry
- Government
- Oil and Gas

### SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Oral/Written Communications
- Teamwork/Collaboration

### STUDENT ORGANIZATIONS

- Student Government Association
- Islander Green Team