

ACADEMIC MAP

ENVIRONMENTAL AND OCCUPATIONAL SAFETY

Bachelor of Applied Arts and Science



START HERE

1 SEMESTER 1 - FALL			CREDITS	COMPLETED
UNIVERSITY CORE CURRICULUM	3	✓		
COLLEGE CORE	3			
COLLEGE CORE	3			
UNIV 1101 UNIVERSITY SEMINAR I	1			
POLS 2306 STATE AND LOCAL GOVERNMENT	3			
ENGL 1301 WRITING AND RHETORIC I	3			

TOTAL CREDITS: 16

2 SEMESTER 2 - SPRING			CREDITS	COMPLETED
COLLEGE CORE	3			
COLLEGE CORE	3			
COLLEGE CORE	3			
UNIV 1102 UNIVERSITY SEMINAR II	1			
POLS 2305 U.S. GOVERNMENT AND POLITICS	3			
ENGL 1302 WRITING AND RHETORIC II	3			

TOTAL CREDITS: 16

YEAR 1

3 SEMESTER 3 - FALL			CREDITS	COMPLETED
COLLEGE CORE	3			
COLLEGE CORE	3			
HIST 1301 U.S. HISTORY TO 1865	3			
PSYC 2301 GENERAL PSYCHOLOGY	3			
CHEM 1411 GENERAL CHEMISTRY I	4			

TOTAL CREDITS: 16

4 SEMESTER 4 - SPRING			CREDITS	COMPLETED
COLLEGE CORE	3			
CHEM 1412 GENERAL CHEMISTRY II	4			
HIST 1302 U.S. HISTORY SINCE 1865	3			
ESCI 1401 ENVIRONMENTAL SCIENCE I: INTRO TO ENVIRONMENTAL SCIENCE	4			
CREATIVE ARTS CORE REQUIREMENT	3			

TOTAL CREDITS: 17

YEAR 2

5 SEMESTER 5 - FALL			CREDITS	COMPLETED
GISC 1470 GEOSPATIAL SYSTEMS I	4			
ESCI 3202 PROFESSIONAL SKILLS	2			
MATHEMATICS CORE REQUIREMENT	3			
LANGUAGE, PHILOSOPHY & CULTURE CORE REQUIREMENT	3			
GEOL 1403 PHYSICAL GEOLOGY	4			

TOTAL CREDITS: 16

6 SEMESTER 6 - SPRING			CREDITS	COMPLETED
ESCI 4301 ENVIRONMENTAL REGULATIONS	3			
POLS 3341 INTRODUCTION TO PUBLIC ADMINISTRATION	3			
CHEM 3411 ORGANIC CHEMISTRY I	4			
BIOL 2421 MICROBIOLOGY	4			
UPPER DIVISIONAL ELECTIVE	3			

TOTAL CREDITS: 17

YEAR 3

7 SEMESTER 7 - FALL			CREDITS	COMPLETED
UNIV 4350 UNIVERSITY STUDIES CAPSTONE	3			
COMM 4335 CRISIS COMMUNICATION	3			
CHEM 4443 ENVIRONMENTAL CHEMISTRY	4			
ESCI 4320 ENVIRONMENTAL HEALTH	3			
UPPER DIVISIONAL ELECTIVE	3			

TOTAL CREDITS: 16

8 SEMESTER 8 - SPRING			CREDITS	COMPLETED
CHEM 4490 SPECIAL TOPICS	4			
ESCI 3443 ENVIRONMENTAL BIOLOGY	4			
ESCI 4498 INTERNSHIP IN ENVIRONMENTAL SCIENCE	4			
GEOL 3443 ENVIRONMENTAL GEOLOGY	4			

TOTAL CREDITS: 16

YEAR 4

This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit tamucc.edu/academics/planning/academic-advising/

130 CREDITS | FINISHED!



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 and Professional Development Center
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Internship Coordinator:

Bachelor of Applied Arts and Sciences
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Department Contact:

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STUDENT ORGANIZATIONS

- Student Government Association
- Islander Green Team

CAREER OPTIONS

- Environmental safety officers
- Emergency response
- Industry
- Government

SKILLS/ATTRIBUTES

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