

BACHELOR OF SCIENCE, MAJOR IN INTEGRATED STUDIES: ENVIRONMENTAL AND OCCUPATIONAL HEALTH CONCENTRATION

The BS in Integrated Studies: Environmental and Occupational Health Concentration combines Environmental, Health, and Safety Management, Environmental Studies, and Health minors to meet emerging industry demands by critically analyzing issues from multiple perspectives, identifying problems, and developing innovative solutions. Students develop versatile and in-demand skills for consulting and project management roles while gaining expertise in environmental issues and public health. Graduates will be ready for careers in manufacturing, construction, environmental consulting, and any industry where workplace safety and compliance are a priority, and in sectors focused on environmental conservation, public health, healthcare management, and policymaking.

Code	Title	Hours
Bachelor of Science, Major in Integrated Studies: Environmental and Occupational Health Concentration		
Core Curriculum (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Core Component Area I (Communication) ¹		6
Core Component Area II (Mathematics) ^{2,3}		3
Core Component Area III (Life and Physical Science) ²		8
Component Area IV (Language, Philosophy, and Culture) ²		3
Component Area V (Creative Arts) ²		3
Component Area VI (U.S. History) ²		6
Component Area VII (Political Science/Government) ²		6
Component Area VIII (Social and Behavioral Sciences) ²		3
Component Area IX (Component Area Option) ²		4
Degree Specific Requirements		
CHSS Core (Select one course from the following:)		3
ENGL 3330	Introduction to Technical Writing	
ENGL 3377	Argument and Persuasion	
HSTY 3345	History of Medicine	
or HIST 3373	Topics in the History of Science and Medicine	
PHIL 2303	Critical Thinking	
POLS 3379	Research and Writing in Political Science	
SOCI 2399	Writing in Sociology	
Select 15 advanced elective hours (3000-4000) from related subject areas ⁴		15
Major: Foundation		
INTG 3301	Critical Approaches to Integrated Studies	3
INTG 4301	Integrated Studies Capstone ⁵	3
Minor: Required		
Minor Area I: Environmental, Health, and Safety Management ⁶		
ETSM 2310	Introduction to Occupational Safety	3
Environmental, Health, and Safety Management/Industrial Safety Management (ETSM) Advanced Electives		18
Minor Area II: Environmental Studies ⁶		
BIOL 1401	Environmental Science	3-4
or GEOG 1300	People, Places, and the Environment	
GEOG 3310	Sustainable Development	3
GEOG 4331	Conservation of Natural Resources	3
or POLS 3395	Environmental Policy	
PHIL 4334	Environmental Ethics	3
or COMS 3393	Environmental Communication	
Select two courses from the following:		6
BIOL 3320	Sustainability & Environment	
or GEOG 3320	Sustainability & Environment	

GEOG 3301	Environmental Geography	
SOCI 4337 or SOCI 4334	Environment And Society Sociology Of Disaster	
Select one course from the following:		3
GEOG 3350	Cultural Geography	
GEOG 4356	Urban Geography	
SOCI 3335	Food and Society	
Select one course from the following Prescribed Electives:		3
COMS 3393	Environmental Communication	
ECON 3352	Energy and Environmental Economics	
GEOG 4351	Economic Geography	
GEOG 4357	Population Geography	
GEOL 3326	Environmental Geology	
HLTH 4390	Environmental Health	
PHIL 4334	Environmental Ethics	
POLS 3395	Environmental Policy	
SOCI 4334	Sociology Of Disaster	
SOCI 4337	Environment And Society	
Minor Area III: Health ⁶		
HLTH 1360	The Fundamentals of Health Promotion and Health Careers	3
HLTH 1366	Lifestyle and Wellness	3
HLTH 2391	Human Diseases	3
HLTH 3355	United States Health Care Systems	3
HLTH 3385	Safety Education	3
HLTH 4380	Global Health	3
HLTH 4390	Environmental Health	3
Total Hours		132-133

¹ Taken first year.

² Taken first or second year.

³ MATH 1332 is recommended.

⁴ These courses are in addition to major/minor requirements.

⁵ Students must have senior hours, be in good academic standing, and have completed the required CHSS Core course and INTG 3301 before registering for INTG 4301.

⁶ Some minors require more than 18 semester credit hours.

Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Core Component Areas II, III, IV, V, VI, VII, VIII, and IX (including the one credit hour requirement) could double dip from the core and the minors.

Each minor must have 18 unique credits. Students may have to take more than 18 credits to complete the minor.

Graduation requirements include completing all course requirements along with completing at least 120 hours, 42 advanced hours, 24 advanced in-residence hours, and INTG 4301. Students may need to take general electives and/or advanced general electives outside of courses outlined on their degree plan to meet those requirements.

Students must earn a grade of "C" or better in INTG 3301 and INTG 4301.

First Year

Fall	Hours	Spring	Hours
Component Area I (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)		3 Component Area I (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area II (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii) ¹		3 Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)		4 Component Area V (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3
Component Area IV (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)		3 Component Area VI (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area VI (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)		3 Minor Area I: Environmental, Health, and Safety Management ²	3
	16		16

Second Year

Fall	Hours	Spring	Hours
Component Area VII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)		3 Component Area VII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)		4 Component Area VIII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
CHSS Core ^{3,4}		3 INTG 3301	3
Minor Area III: Health ²		6 Minor Area I: Environmental, Health, and Safety Management ²	3
		Minor Area II: Environmental Studies ²	3-4
	16		15-16

Third Year

Fall	Hours	Spring	Hours
Minor Area I: Environmental, Health, and Safety Management ²		6 DSR Advanced Electives ⁵	3
Minor Area II: Environmental Studies ²		6 Minor Area I: Environmental, Health, and Safety Management ²	3
Minor Area III: Health ²		6 Minor Area II: Environmental Studies ²	6
		Minor Area III: Health ²	3
	18		15

Fourth Year

Fall	Hours	Spring	Hours
DSR Advanced Electives ⁵		6 DSR Advanced Electives ⁵	6
Minor Area I: Environmental, Health, and Safety Management ²		3 INTG 4301 ⁶	3
Minor Area II: Environmental Studies ²		6 Minor Area I: Environmental, Health, and Safety Management ²	3
Minor Area III: Health ²		3 Minor Area II: Environmental Studies ²	3

Total Hours: 132-133

- ¹ MATH 1332 is recommended.
- ² Some minors require more than 18 semester credit hours.
- ³ CHSS Core (Select one of the following courses): ENGL 3330, ENGL 3377, HSTY 3345 or HIST 3373, PHIL 2303, POLS 3379, SOCI 2399.
- ⁴ The course chosen in this block may also satisfy a requirement for a minor.
- ⁵ Select 15 advanced elective hours (3000-4000) from related subject areas.
- ⁶ Students must have senior hours, be in good academic standing, and have completed the required CHSS Core course and INTG 3301 before registering for INTG 4301.

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Integrated Studies: Environmental and Occupational Health Concentration is designed to provide graduates with the following marketable skills:

- Integration of diverse fields and perspectives.
- Innovative problem-solving abilities.
- Flexibility and adaptability.
- Regulatory compliance and safety program management.
- Environmental and public health systems design.
- Risk assessment and sustainability planning.