

PROGRAM CURRICULUM

The Bachelor of Science in Occupational and Environmental Safety and Health builds up on a foundation of science and mathematics with general education requirements and program prerequisites taken in the freshman and sophomore years. The program begins in the fall of the junior year and courses are specific to the program.

Interested individuals are encouraged to meet with the Program Director or their academic advisor early in their college career to ensure that all prerequisite courses are completed.

OESH Program Prerequisite Courses

CHEM 1023 General Chemistry II
CHEM 1021 General Chemistry II Lab
PHYS 2133 Survey of Physics for the Health Professions
CHEM 3103 Organic Chemistry I
CHEM 3101 Organic Chemistry I Lab
BIO 2103 Microbiology for Nursing and Allied Health
BIO 2101 Microbiology for Nursing and Allied Health Lab
ENG 3063 Writing for STEM
STAT 3233 Applied Statistics
BIO 2203 Human Anatomy and Physiology I

A sample 120-hour bachelors of science degree program is shown below.

BS CURRICULUM

Year 1 (Fall)	Credit Hours
UC 1013 FYE Making Connections	3
CHEM 1013 General Chemistry I	3
CHEM 1011 General Chemistry I Lab	1
ENG 1003 Composition I	3
BIO 2203 Human Anatomy and Physiology I	3
Social Science Elective	3
Total	16

Year 1 (Spring)	Credit Hours
ENG 1013 Composition II	3
CHEM 1023 General Chemistry II	3
CHEM 1021 General Chemistry II Lab	1
MATH 1023 College Algebra	3
Choose one of the Following	3
POSC 2103 Introduction to US Government	
HIST 2763 U.S. History to 1876	
HIST 2773 U.S. History since 1876	

Social Science Elective	3
Total	16

Year 2 (Fall)	Credit Hours
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BIO 2013 Biology of the Cell	3
BIO 2011 Biology of the Cell Lab	1
PHYS 2133 Survey of Physics for Health Professions	3
ENG 3063 Writing for STEM	3
CHEM 3103 Organic Chemistry I	3
CHEM 3101 Organic Chemistry I Lab	1
Total	14

Year 2 (Spring)	Credit Hours
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BIO 2103 Microbiology for Nursing and Allied Health	3
BIO 2101 Microbiology for Nursing and Allied Health	1
COMS 1203 Oral Communication	3
STAT 3233 Applied Statistics	3
Fine Arts Elective	3
Humanities Elective	3
Total	16

Year 3 (Fall) Professional Program Year 1	Credit Hours
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OESH 3013 Fundamentals of Occupational Health and Safety	3
OESH 3023 Principles of Environmental Health	3
OESH 3103 Recognition of Occupational Hazards	3
DPEM 3503 Principles of DPEM	3
OESH 3113 Toxicology	3
Total	15

Year 3 (Spring)	Credit Hours
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OESH 3203 Control of Occupational Hazards	3
OESH 3223 Industrial Hygiene Sampling and Analysis Lab	3
POSC 4533 Environmental Law and Administration	3
OESH 3303 Water, Wastewater, Solid and Hazardous Waste Treatment	3
OESH 3313 Epidemiology and Biostatistics	3
Total	15

Year 4 (Fall) Professional Program Year 2	Credit Hours
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OESH 4003 Internship	3
OESH 4013 OSHA Standards and Practices	3
OESH 4113 Environmental Health and Safety Management	3
OESH 4203 Principles of Food Safety and Sanitation	3
Total	12

Year 4 (Spring)	Credit Hours
OESH 4401 Senior Seminar	1
OESH 4303 Environmental Risk Assessment	3
OESH 4213 Construction Safety	3
OESH 4313 Ergonomics	3
OESH 4223 Accident Investigation and Analysis	3
OESH 4323 Air Pollution	3
Total	16