

OCCUPATIONAL SAFETY & ENVIRONMENTAL HEALTH, B.S.

The OSEH program is designed for persons interested in the safety, industrial hygiene and environmental health professions. OSEH includes general education studies, with emphasis on the sciences and core studies in the technical and managerial aspects of industrial safety and hygiene. An internship is required in industry or in an insurance or government agency. Continuous improvement of the program is guided by an advisory committee of safety professionals. Graduates of this program typically work as safety and health managers, industrial hygienists, loss-control consultants, compliance officers and environmental safety specialists. The OSEH minor should be an attribute to majors in biology, business administration, chemistry, applied engineering and technology management, political science and nursing. OSEH is nationally accredited by the Accreditation Board for Engineering and Technology (ABET).

Major in Occupational Saf & Env Health, BS

Code	Title	Hours
OSEH 120	Fundamentals of Safety, Health, Environmental Issues	3
OSEH 220	Legal Aspects Environmental Safety	3
OSEH 221	Industrial Fire Prevention, Protection and Control	3
OSEH 320	Safety Engineering Principles	3
OSEH 321	Environmental & Industrial Hygiene I - Chemical and Biological Hazards	4
OSEH 323	Human Factors in OSEH	3
OSEH 333	Introduction to System Safety	3
OSEH 410	Safety and Hygiene Management	3
OSEH 422	Environmental & Industrial Health II - Physical Hazards	4
OSEH 430	Topics in Occupational Safety & Environmental Health	1
OSEH 435	Environmental Health	3
OSEH 440	Internship	12
Total Hours		45

Req Related for Occupatnl Safety & Env. Health

Code	Title	Hours
MATHEMATICS		
Statistics Course - Choose 1 of the following:		3
MATH 130	Elements of Statistics 1	
MATH 235	Survey of Statistics	
ECON 231	Applied Statistics 1	
Calculus - Choose 1 of the following:		4-5
MATH 101	College Algebra	
MATH 151	Calculus for Management	
MATH 160	Precalculus	
MATH 161	Calculus 1	
MATH 211	Calculus 2	
BIOLOGY AND CHEMISTRY		

BIOL 100	General Biology	3
Chemistry I - Choose 1 of the following:		3-4
CHEM 103	Gen Organic and Biochemistry 1	
CHEM 111	Introductory Chemistry 1	
CHEM 231	Organic Chemistry 1	
Chemistry II - Choose 1 of the following:		3-4
CHEM 104	Gen Organic and Biochemistry 2	
CHEM 112	Introductory Chemistry 2	
CHEM 232	Organic Chemistry 2	
PHYSICS AND INDUSTRIAL TECHNOLOGY		
AENG 130	Production Materials & Processes	3
AENG 392	Intro to Industrial Training	3
Physics Options - Choose 1 of the following options 1-2:		7-8
Option 1. Physics Elective and Energy Power Systems - See Appendix 1		7
Option 2. Physics Courses		
PHYS 131 & PHYS 132	Physics 1 with Algebra and Physics 2 with Algebra	
Total Hours		36-40

Appendix 1. Physics Elective and Energy & Power Systems

Code	Title	Hours
Energy Power Systems		3
AENG 120	Energy Systems	
Physics Elective - Choose 1 of the following:		4
PHYS 103	Elements of Physics	
PHYS 104	Applied Physics	
PHYS 131	Physics 1 with Algebra	