

Course Information

Curriculum Type: 4-year bachelor's degree

Faculty: *Science and Technology*

Program: Occupational Health and Safety

Name of Degree and Program:

Bachelor of Science (Occupational Health and Safety) (*Full name*)

B.S. (Occupational Health and Safety) (*Abbreviation*)

Course Requirements:

Total Credits: 145 Credits

Class Schedule and Subjects

First Year and First Semester			
Code	Subjects	Unit	Course
XXXXXXX	General Education Required Course 1	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 2	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 3	3(3-0-6)	General Education
4011105	Introduction to Physics	3(2-2-5)	Basic Subjects
4021115	General Chemistry	3(2-2-5)	Basic Subjects
4033107	Basic Biology	3(2-2-5)	Basic Subjects
4091401	Calculus I	3(3-0-6)	Basic Subjects
	Total	21 Units	

First Year and Second Semester			
Code	Subjects	Unit	Course
XXXXXXX	General Education Required Course 4	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 5	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 6	3(3-0-6)	General Education
4022305	Organic Chemistry	3(2-2-5)	Basic Subjects
4032601	Microbiology	3(2-2-5)	Basic Subjects
4071103	Anatomy	3(2-2-5)	Basic Subjects
4101701	Public Health Administration	3(3-0-6)	Basic Subjects
	Total	21 Units	

Second Year and First Semester			
Code	Subjects	Unit	Course
XXXXXXX	General Education Required Course 7	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 8	3(3-0-6)	General Education
XXXXXXX	General Education Required Course 9	3(3-0-6)	General Education
4071104	Physiology	3(2-2-5)	Basic Subjects
4102601	English for Occupational Health and Safety I	2(1-2-3)	Specific Subjects
4102901	Basic Public Health	3(3-0-6)	Basic Subjects
4022511	Biochemistry	3(3-0-6)	Basic Subjects
	Total	20 Units	

Second Year and Second Semester			
Code	Subjects	Unit	Course
4102602	English for Occupational Health and Safety II	2(1-2-3)	Specific Subjects
4102702	Rescue and First Aid Operation	3(2-2-5)	Core Subjects
4102703	Law and Professional Ethics in Public Health and Environment	3(3-0-6)	Core Subjects
4102704	Health Education and Behavioral Science	3(2-2-5)	Core Subjects
4102705	Prevention and Disease Control	3(3-0-6)	Core Subjects
4102706	Epidemiology	3(3-0-6)	Core Subjects
4113110	Biostatistics	3(3-0-6)	Core Subjects
	Total	20 Units	

Third Year and First Semester			
Code	Subjects	Unit	Course
4103101	Ergonomics and Working Psychology	2(1-2-3)	Core Subjects (Required)
4103102	Occupational Disease and Control	2(2-0-4)	Core Subjects (Required)
4103201	Industrial Production Process and Hazard	3(3-0-6)	Core Subjects (Required)
4103501	Industrial Hygiene I	2(2-0-4)	Core Subjects (Required)
4103503	Industrial Hygiene Sampling and Analysis	3(2-2-5)	Core Subjects (Required)
4103708	Environmental Health	3(3-0-6)	Core Subjects (Required)
4103709	Introduction to Occupational Health and Safety	3(3-0-6)	Core Subjects (Required)
	Total	18 Units	

Third Year and Second Semester			
Code	Subjects	Unit	Course
XXXXXXX	General Education Elective Course	3(3-0-6)	General Education
4103103	Occupational Toxicology	2(2-0-4)	Core Subjects (Required)
4103105	Introduction to Research in Occupational Health and Safety	2(1-2-3)	Core Subjects (Required)
4103301	Principles of Engineering for Occupational Health and Safety	2(2-0-4)	Core Subjects (Required)
4103502	Industrial Hygiene II	3(3-0-6)	Core Subjects (Required)
4103707	Occupational Health and Safety Practicum	3(2-2-5)	Core Subjects
XXXXXXX	3(3-0-6)	Free Elective
XXXXXXX	3(3-0-6)	Free Elective
	Total	21 Units	

Third Year (Summer)			
Code	Subjects	Unit	Course
4103104	Pre-Practicum	1(45)	Core Subjects (Required)
	Total	1 Unit	

Fourth Year and First Semester			
Code	Subjects	Unit	Course
4104106	Seminar in Occupational Health and Safety	1(0-2-1)	Core Subjects (Required)
4104202	Occupational Health and Safety Administration	2(2-0-4)	Core Subjects (Required)
4104203	Risk Assessment and Management in Occupational Health and Safety	2(2-0-4)	Core Subjects (Required)
4104204	Fire Prevention and Emergency Responses	3(2-2-5)	Core Subjects (Required)
4104302	Industrial Safety Engineering	3(3-0-6)	Core Subjects (Required)
4104303	Industrial Ventilation	3(3-0-6)	Core Subjects (Required)
4104401	Occupational Health and Safety Law	2(2-0-4)	Core Subjects (Required)
4104402	National and International Standards on Safety and Environment Management	2(2-0-4)	Core Subjects (Required)
	Total	18 Units	

Fourth Year and Second Semester			
Code	Subjects	Unit	Course
4104107	Professional Internship	5(450)	Core Subjects (Required)
	Total	5 Units	

