

Curriculum

COURSE CODE	COURSE TITLE	COURSE CODE	COURSE TITLE	COURSE CODE	COURSE TITLE
General Education Requirements: 30 Credit Hours					
ENG200	English II	FWS205	UAE and GCC Society	FWS211	Fundamentals of Emotional Intelligence
ISL100 (A)	Islamic Culture	FWS305	Technical Communication for the Workplace	FWS310	Fundamentals of Innovation and Entrepreneurship
STT100	General Statistics	ARL101 (A)	Communication Skills in Arabic I	MTT101	Pre-Calculus
ITD100	Introduction to Information and Digital Technology	*USS001 (P)	University Study Skills		
College Requirements: 17 Credit Hours					
BIO205	General Biology I	BIO205L	General Biology I Lab	PHY100	The Physics of Everyday Life
CHE207	Organic Chemistry	CHE205	General Chemistry I	CHE201L	General Chemistry I Lab
HSC205	Biostatistics				
Major Requirements: 65 Credit Hours					
EHS205	Introduction to Environmental Health & Safety	ENS205	Introduction to Environmental Science	EHS206	Environmental Health & Safety Management
HSC210	Epidemiology & Population Health	HSC305	Occupational Health & Safety	HSC315	Global Issues in Environmental Health
HSC 410	Healthcare Research Methodology	EHS210	Environmental Microbiology	EHS310	Food Safety & Management
EHS305	Sustainability	EHS400	Toxicology	EHS320	Waste Management
EHS330	Special Topics in Occupational Health & Safety	EHS420	Hazardous Materials	EHS415	Environmental Health Regulation & Compliance
EHS399A	EHS Internship I	EHS424	Quality and Control of Water and Air Pollution	EHS435	Environmental Monitoring & Control
EHS435L	Environmental Monitoring & Control Lab	EHS440	Industrial Hygiene	EHS399B	EHS Internship II
EHS499	Undergraduate Research				
Major Elective Courses: 12 Credit Hours					
ME1	Major Elective 1	ME2	Major Elective 2	ME3	Major Elective 3
ME4	Major Elective 4				
Open Elective Courses: 6 Credit Hours					
OE1	Open Elective 1	OE2	Open Elective 2		

*USS001 (P) – University Study Skills should be offered as a zero-credit course as a substitute for FWS 100



BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH & SAFETY



Program Overview

The Bachelor of Science in Environmental Health and Safety (BSc in EHS) is a cutting-edge multidisciplinary program designed to meet the growing needs of industry and provide students with the skills to ensure occupational environmental protection, health, and safety in the workplace. The program covers major environmental issues including sustainability, renewable energy, water quality and management, pollution monitoring, hazardous materials operations and awareness, risk assessments, waste management, and occupational health and safety.

You will be provided with high-end knowledge in environmental health and safety and internship training that bridges academic knowledge with practical application in the workplace. You will learn how to identify and minimize the effect of different types of hazards that can affect the health and safety of employees. These include those related to ergonomics, thermal, chemical, electrical, mechanical, and radioactivity, as well as hazardous materials and waste. The program covers the fundamental scientific, legal, and technological principles underlying environmental health issues, looking at the circumstances giving rise to health inequalities, analyzing the environmental impact and health risks, and identifying appropriate interventions.

The EHS program is a distinctive program in the UAE at Abu Dhabi University. Our growing industry collaborations with organizations such as Environment Agency-Abu Dhabi (EAD), Occupational Safety and Health Center-Abu Dhabi (OSHAD), Camfil Clean Air Solutions, Abu Dhabi Food Control Authority (ADFCA), Atomena, and BEEAH group enrich the research and learning opportunities.



Alumni's Testimonial

Mohammad Kamel Trabelsieh - Alumni

"The Environmental Health and Safety program helped me build a strong base for my career. I graduated in Fall 2019/2020 and currently work as a Senior Event & Crowd Safety Advisor. What I really appreciated about the program was how it combined classroom learning with real-life examples. The faculty was supportive and made sure we were ready for the job market. Since graduating, I've been part of the health and safety teams behind some of the region's most prominent events, including EXPO 2020 Dubai, FIFA World Cup 2022, Abu Dhabi F1, and major festivals such as Al Hosn Festival, Liwa Festival, Maritime Festival, and MOTN Festival. These opportunities were possible thanks to the program's emphasis on industry connection, hands-on learning, and continuous support."



Career Prospects

Graduates of the EHS program will be qualified to work in a diverse range of public and private organizations across all sectors. These include but are not limited to ADNOC group of companies, OSHAD, EAD, ADFCA, National Drilling Company, Abu Dhabi Ports, Baraka Nuclear Power Plant, Abu Dhabi Waste Management Center-Tadweer, Environmental Protection and Safety Section (EPSS)-Abu Dhabi Municipality, Etihad Airways, Federal Authority for Nuclear Regulation, Abu Dhabi National Chemical Companies (ChemaWEyatt), Abu Dhabi Water and Electricity Authority (ADWEA), and Ministry of Energy and Industry. Roles include but not limited to::

- Environment, Health & Safety Officer
- Environment, Health & Safety Manager
- Occupational Health & Safety Specialist
- Occupational Health & Safety Auditor
- Sanitation Director
- Workplace Safety Assessor
- Food Safety Inspector
- Hazardous Waste Specialist
- Risk Assessment Consultant
- Impact Assessment Expert

Graduates of the program will acquire the following knowledge and skills

- Apply knowledge and principles of mathematics, science, technology, and management in areas relevant to environmental health and safety
- Utilize knowledge and skills to anticipate, identify, and analyze hazardous conditions and practices and to manage and implement effective monitoring and control programs
- Recognize the importance of environmental health and safety in achieving sustainability at the national and global levels
- Conduct experiments and use scientific methods to draw conclusions or provide solutions to environmental health and safety problems
- Assess the ethical, social, and economic implications of environmental health and safety issues
- Describe the impact of environmental and occupational health and safety on individual and public health
- Communicate effectively and discuss orally and in writing environmental health and safety-related matters with professionals and lay audience
- Exhibit teamwork, leadership, management, and conflict resolution skills when working with groups on environmental health and safety topics