

Bachelor of Science in Safety, Health and Environmental Management

Programme details:

The program comprises mandatory core modules and optional elective modules. Certain modules may have prerequisites, meaning students must pass another module or set of modules before enrolling. Additionally, some modules may be co-requisite, necessitating that they be taken simultaneously. The number in parentheses at the end of each module denotes its credit load. One credit corresponds to 10 hours of combined guided, in-class, and independent learning. Therefore, a 10-credit module typically entails around 100 hours. Candidates must acquire a minimum of 504 credits modules to be awarded with a Bachelor of Science Degree in Safety, Health and Environmental Management.

Core modules:

- D5-IEM-23: Introduction to Environmental Management (12)
- D5-CIS-23: Computing and Information Skills (12)
- D5-AWB-20: Academic Writing for Business (10)
- D5-MSH-23: Mathematics for OSH (12)
- D5-AIS-23: Advanced Integrated Science (12)
- D6-QUM-21: Quality Management (12)
- D6-OHS-21: Introduction to Occupational Health and Safety Management (12)
- D6-RSM-21: Risk Management (12)
- D6-OHL-21: Occupational Health and Safety Law I (12)
- D6-HIF-23: Health Informatics (12)
- D6-HIV-23: HIV and AIDS Management (12)
- D6-EPI-23: Epidemiology (12)
- D6-ERG-23: Ergonomics (12)
- D7-BST-21: Biostatistics (12)
- D6-EPM-21: Emergency Preparedness and Disaster Management (12)
- D7-ORB-23: Organizational Behavior (12)
- D7-OS2-21: Occupational Health and Safety Law II (12)
- D7-FTX-23: Fundamentals of Toxicology (12)
- D7-FMN-23: Fire Management (12)
- D7-EIA-23: Environmental Impact Assessment (12)
- D7-API-23: Accident Prevention and Investigations (12)
- D7-PCC-23: Principles of Climate Change (12)
- D7-GHD-23: Global Health Dynamics (12)
- D7-WMN-23: Waste Management (12)
- D7-OSM-23: Occupational Safety Management

- (12)
- D7-RSM-23: Research Methods (12)
- D7-SMN-23: Security Management (12)
- D7-PIH-23: Principles of Industrial Hygiene (12)
- D7-FAP-23: First Aid Principles and Procedures (12)
- D7-PCO-23: Principles of counselling (10)
- B8-ENI-20: Entrepreneurship & Innovation (20)
- D7-RP1-23: Research project 1 in OHS (Proposal writing) (12)
- D7-MOR-23: Managing occupational records (12)
- D8-SEN-23: Sustainable Environment 12
- D7-RP2-23: Research Project 2 (Dissertation) (20)
- D7-PRP-21: Professional Practice (40)

Electives:

- D7-HST-21: Health and Safety in Transport (12)
- D7-BDM-21: Building Maintenance (12)
- D7-ERT-21: Employee Relations (12)
- D8-FSH-23: Food Safety and Hygiene (12)
- D8-MNS-23: Mining Safety (12)

Recommended Full-Time Study Path – 4 Years

Semester 1:

- D5-IEM-23, D5-CIS-23, D5-AWB-20, D5-MSH-23, D5-AIS-23

Semester 2

- D6-QUM-21, D6-OHS-21, D6-RSM-21, D6-OHL-21, D6-HIF-23

Semester 3

- D6-HIV-23, D6-EPI-23, D6-ERG-23, D7-BST-21, D6-EPM-21

Semester 4

- D7-ORB-23, D7-OSL2-21, D7-FTX-23, D7-FMN-23, D7-EIA-23

Semester 5

- D7-API-23, D7-PCC-23, D7-GHD-23, D7-WMN-23, D7-OSM-23

Semester 6

- D7-RSM-23, D7-SMN-23, D7-PIH-23, D7-FAP-23, D7-PCO-23, Select two (D7-HST-21 or D7-BDM-21 or D7-ERT-21)

Semester 7

- B8-ENI-20, D7-RP1-23, D7-MOR-23, D8-SEN-23, Select one (D8-FSH-23 or D8-MNS-23)

Semester 8

- D7-RP2-23, D7-PRP-21

Admissions Criteria

1) The typical entry requirement is BGCSE or other equivalent secondary school qualification with a minimum grade of 'D' in five subjects. In addition, applicants must have 10 points in English and Mathematics combined or 32 points in the top 5 subjects.

2) Certificate V holders may be granted exemptions based on the relevance of the subjects.

3) Diploma or equivalent qualification in a related field.

4) Applicants that do not meet the above criteria but possess relevant industry experience will be considered through recognition of prior learning (RPL).



Program Version Course List



<u>Course Code</u>	<u>Course Description</u>	<u>Credits</u>	<u>Elective List</u>	<u>Pre-Requisite List</u>	<u>Co-Requisite List</u>	<u>PreElect</u>	<u>ResourceList</u>
<u>SHE-8BO-23 Bachelor of Science in Safety, Health and Environmental Management</u>				Weeks :192.00			
Core				Credits :508.00			
D5-AIS-23	Advanced Integrated Science	12.00					
D5-AWB-20	Academic Writing for Business	10.00					
D5-CIS-23	Computing and Information Skills	12.00					
D5-IEM-23	Introduction to Environmental Management	12.00					
D5-MSH-23	Mathematics for OSH	12.00					
D6-EPI-23	Epidemiology	12.00					
D6-HIF-23	Health Informatics	12.00					
D6-HIV-23	HIV and AIDS Management	12.00					
D6-OHL-21	Occupational Health and Safety Law I	12.00					
D6-OHS-21	Introduction to Occupational Health and Safety Management	12.00					
D6-QUM-21	Quality Management	12.00					
D6-RSM-23	Risk Management	12.00					
D6-SHE-23	Safety, Health and Environmental Management	12.00					
D7-API-23	Accident Prevention and Investigations	12.00					
D7-EIA-23	Environmental Impact Assessment	12.00					
D7-EPM-21	Emergency Preparedness and Disaster Management	12.00					
D7-ERG-21	Ergonomics	12.00					
D7-FAP-23	First Aid Principles and Procedures	12.00					
D7-FMN-23	Fire Management	12.00					
D7-FTX-23	Fundamentals of Toxicology	12.00					
D7-GHD-23	Global Health Dynamics	12.00					
D7-MOR-23	Managing occupational records	12.00					
D7-ORB-23	Organizational Behavior	12.00					
D7-OSM-23	Occupational Safety Management	12.00					
D7-PCC-23	Principles of Climate Change	12.00					
D7-PCO-23	Principles of counselling	10.00					
D7-PIH-23	Principles of Industrial Hygiene	12.00					
D7-RSM-23	Research Methods	12.00					
D7-SMN-23	Security Management	12.00					
D7-WMN-23	Waste Management	12.00					
D8-SEN-23	Sustainable Environment	12.00					
B8-ENI-20	Entrepreneurship and Innovation	20.00		B5-FUE-20 - Fundamentals of Entrepreneurship B6-SEP-20 - Small Business and Entrepreneurial Planning B6-ESE-20 - Entrepreneurship Strategy and Enterprise Sustainability B7-CIE-20 - Contemporary Issues in Entrepreneurship			
D7-BST-21	Biostatistics	12.00		D6-EPI-13 - Epidemiology			
D7-RP1-23	Research project 1 in OHS (Proposal writing)	12.00		D6-EPI-23 - Epidemiology			

<u>Course Code</u>	<u>Course Description</u>	<u>Credits</u>	<u>Elective List</u>	<u>Pre-Requisite List</u>	<u>Co-Requisite List</u>	<u>PreElect</u>	<u>ResourceList</u>
D7-OS2-21	Occupational Health and Safety Law II	12.00		D6-OHL-21 - Occupational Health and Safety Law I			
D7-PRP-23	Professional Practice	40.00		D7-OS2-21 - Occupational Health and Safety Law IID7-RP1-23 - Research project 1 in OHS (Proposal writing)D7-RP2-23 - Research Project 2 (Dissertation)			
D7-RP2-23	Research Project 2 (Dissertation)	20.00		D7-RP1-23 - Research project 1 in OHS (Proposal writing)			
Elective							
ELEC	Semester 6 Elective	12.00	D7-ERT-21 - Employee Relations, D7-HST-21 - Health and Safety in Transport, D7-BDM-21 - Building Maintenance				
ELEC	Semester 7 Elective	12.00	D8-FSH-23 - Food Safety and Hygiene, D8-MNS-23 - Mining Safety				
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