

## 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 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).

## Bachelor of Science in Safety, Health & 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-OS2-12: 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)

### Elective Modules:

- 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

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(Continued)

## 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 any two from** 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 any one from** D8-FSH-23 or D8-MNS-23

## Semester 8

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

## Admissions Criteria

**1.** Candidates must have NCQF Level 4, Certificate IV (BGCSE) or its equivalent) with at least grade C in English, Science and Mathematics or Statistics.

**2.** A Diploma in Occupational Health and Safety Management (NCQF Level 6) or its equivalent can be admitted with condition that they fulfill all prerequisite courses for progression to degree level.

**Or**

**3.** Special Entry: Candidates who do not meet the minimum academic qualifications stated above but have a minimum of two years relevant work experience will be considered through a Recognition of Prior Learning (RPL) process. Such entry may be accepted on their own merits from students with relevant work experience as acceptable to the institution.

**Or**

**4.** Exemptions: Potential students may be exempted from taking specific and selected courses as approved by the relevant structures or as per institutional regulations.

## Bachelor of Science in Health Informatics

## Programme details:

The programme consists of core (required) and elective modules. Some modules may have prerequisites (i.e. may require the students to pass another module or set of modules first). The number at the end of the module in parenthesis indicates the credit load of the module. One credit is equal to 10 hours of learning (guided in class and independent combined); therefore 10-credit module requires on average 100 hours of learning from the students.

## Core modules:

- D5-CA1-22: Computer Applications 1 (10)
- D5-CAW-22: Communication & Academic writing (10)
- D5-FHI-22: Fundamentals of Health Informatics (10)
- D5-OMN-22: Organizational Management (10)
- D5-IDH-22: Introductions to Digital Health (10)
- D5-DMA-22: Discrete Mathematics (10)
- D6-DSH-22: Data Science in Healthcare (12)
- D6-CA2-22: Computer Applications 2 (12)
- D6-LEH-22: Legal & Ethical Aspects of Healthcare (12)
- D6-PME-22: Health Planning, Monitoring & Evaluation (12)
- D6-IAM-22: Introduction to Anatomy and Physiology (12)
- D6-MTD-22: Medical Terminology and Disease coding (12)
- D6-IPM-22: Introduction to Pathology and Pharmacology (12)
- D6-DSE-22: Information & Data Security (12)
- D6-PMN-22: Project Management (12)
- D7-FHK-22: Entrepreneurship & Innovation in Health Informatics (12)
- D6-IPR-23: Introduction to Programming (12)
- D7-BIO-22: Biostatistics (16)
- D7-DSS-22: Decision Support Systems in Healthcare (16)
- D7-ITE-22: Introduction to Telemedicine (16)
- D6-RMH-22: Research Methods in Health Information (12)
- D7-HIS-22: Health Information
- D7-FHK-22: Fundamentals of Health Knowledge Management (16)
- D7-PEP-22: Principles of Epidemiology (16)
- D7-WPP-22: Work-integrated Learning/ Professional Practice (60)
- D7-MED-22: Medical Databases (16)
- D7-IPH-22: Introduction to Public Health (16)
- D6-RKM-22: Records Keeping Management (16)
- D8-PRO-03: Research Project (40)

## Elective Modules:

- D7-MET-22: Medical Transcription (16)

\*The programmes offered in this document are accredited by BQA and offered at Botho University at the time of print. Please refer to your offer letter from the admissions department for any changes in programme name or duration that may occur due to regulatory requirements.