

## 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 Systems (16)
- 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)
- D7-CIP-22: Contemporary Issues Public Health (16)
- D7-SMA-22: Strategic Management (16)
- D7-EMR-22: Introduction to Electronic Medical Records (16)

### Recommended Full-Time Study Path – 4 Years

#### Semester 1

- D5-CA1-22, D6-AWS-20, D5-FHI-22, D5-OMN-22, D5-IDH-22, D5-DMA-22

#### Semester 2

- D6-DSH-22, D6-CA2-22, D6-LEH-22, D6-PME-22, D6-IAM-22

#### Semester 3

- D6-MTD-22, D6-IPP-22, D6-DSE-22, D6-PMN-22, D7-FHK-22

#### Semester 4

- D6-IPR-23, D7-BIO-22, D7-DSS-22, D7-ITE-22

#### Semester 5

- D6-RMH-22, D7-HID-22, D7-FHK-22, D7-PEP-22

#### Semester 6

- D7-WPP-22

#### Semester 7

- D7-MED-22, D7-IPH-22, D6-RKM-22, **Select any one from D7-MET-22 or D7-CIP-22**

#### Semester 8

- D8-PRO-13, **Select any one from D7-MET-22 or D7-CIP-22**

## **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.

**OR**

**2.** A Diploma in Health Informatics (NCQF Level 6) or its equivalent can be admitted with condition that they fulfil 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.