

FACULTY OF ENGINEERING AND TECHNOLOGY (CONTINUED)

Bachelors of Science in Network Security and Computer Forensics

The Bachelor of Science in Network Security and Computer Forensics is targeted at those wishing to enter the Information Technology (IT) sector as Computer Forensic Analysts, Vulnerability Security Research Engineers, Digital Forensic Examiners, Malware Media Forensic Analysts, Forensic Auditors, Network Security Specialists, Computer Crime Investigators or Security Analysts, among other things.

Programme details:

The programme consists of core (required) and elective modules as detailed below. Some modules may have pre-requisites (i.e. may require the student to pass another module or set of modules first). Some modules may be co-requisite (i.e. such modules are required to be taken together). The number at the end of the module in parenthesis indicates the credit load of the module. 1 credit is equal to 10 hours of learning (guided, in-class and independent combined); therefore a 10-credit module requires on average 100 hours of learning from the student.

Core modules:

- C5 - ICO - 11: Introduction to Computers (20)
- C5 - MAT - 11: Mathematics 1 (20)
- D5 - CSS - 14: Communication & Study Skills (20)
- C5 - CSA - 11: Computer Systems Architecture (20)
- C5 - OSH - 11: Operating Systems & Hardware (20)
- C6 - IPC - 11: Introduction to programming using C++ (20)
- C6 - QMD - 11: Querying & Managing Database (40)
- C6 - FNS - 13: Fundamentals of Network Security (20)

- C6 - MD1 - 11: Managing Business Desktops 1 (20)
- C6 - IDS - 13: Information and Data Security (20)
- C6 - CFD - 13: Computer Forensics and Data Recovery (20)
- C7 - JAV - 11: Programming using Java (20)
- C7 - PIS - 11: Protocols and Internetworking standards (20)
- C7 - BIF - 13: Biometric Fundamentals (20)
- C7 - NH1 - 11: Managing Network Hardware 1 (20)
- C7 - EHK - 13: Ethical Hacking (20)
- C7 - CYL - 17: Cyber Law (20)
- C7 - PPR - 11: Professional Practice (60)
- C8 - NH2 - 11: Managing Network Hardware 2 (20)
- C8 - MAN - 13: Malware Analysis (20)
- C8 - PRO - 11: Project (40)

Elective modules:

Select One from the following:

- C8 - CCI - 13 Cyber Crime Investigation (20) or C8 - WNA - 11 Windows Network Administration (20)
- B8 - ENT - 13 Essentials of Entrepreneurship (20)
- E8 - ISD - 18 Innovation for Sustainable Development (20)

Semester 1:

- C5 - ICO - 11, C5 - MAT - 11, D5 - CSS - 14

Semester 2:

- C5 - CSA - 11, C5 - OSH - 11, C6 - IPC - 11

Semester 3:

- C6 - QMD - 11, C6 - FNS - 13

Semester 4:

- C6 - MD1 - 11, C6 - IDS - 13, C6 - CFD - 13

Semester 5:

- C7 - JAV - 11, C7 - PIS - 11, C7 - BIF - 13

Semester 6:

- C7 - NH1 - 11, C7 - EHK - 13, C7 - CYL - 13

Semester 7:

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- C7 - PPR - 11,

Semester 8:

- C8 - NH2 - 11, C8 - MAN - 13
- Elective (one of C8 - WNA - 13, C8 - CCI - 13)

Semester 9:

- C8 - PRO - 11, Elective select anyone (E8 - ISD - 18, B8 - ENT - 11)

Admissions Criteria

1) Application are expected to have successfully completed secondary schooling. The typical entry requirement for any Diploma or Bachelors programme is SGCSE, IGCSE, or other equivalent secondary school qualification. SGCSE and IGCSE candidates are required to achieve a minimum grade of 'C' or above in 5 subjects."

2) Applicants must have 10 points in English and Mathematics combined or 32 points in the top 5 subjects.

3) Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency

4) For enquiries and more information please visit our website: www.bothouniversity.com

