Bachelor of Science in Network Security and Computer Forensics

Programme details:

The curriculum consists of essential core modules and elective modules that are optional. Specific modules may require prerequisites, requiring students to successfully complete another module or set of modules before registering. Additionally, certain modules may be designated as co-requisite, meaning they must be taken concurrently. The credit load of each module is indicated by the number in parentheses at the end. Each credit is equivalent to approximately 10 hours of combined guided, in-class, and independent learning. Hence, a module with 10 credits generally involves around 100 hours of study.

Core modules:

- C5-CE1-20: Computer and its Essential 1 (10)
- C5-PLD-20: Programming Logic and Design (10)
- C5-MAT-20 : Mathematics (10)
- C5-OSH-11: Operating Systems and Hardware (20)
- C6-PIE-20 : Professional Issues and Ethics (10)
- C6-NEF-20 : Networking Fundamentals (20)
- C6-DBC-20 : Database Concepts (10)
- D6-AWS-20 : Academic Writing for STEM (10)

- C6-CE2-20 : Computer and its Essentials 2 (10)
- C6-EOL-20 : Essentials of Linux (10)
- C6-CFO-23 : Computer Forensics (10)
- C6-IPC-11 : Introduction to Programming Using C++ (20)
- C6-CFL-23 : (Computer Forensics Lab (10)
- C6-RSW-20 : Routing and switching (10)
- C6-RSL-20 : Routing and Switching Lab (10)
- C7-SCS-23 : Scripting for Cyber Security (20)
- C6-PCS-23 : Principles of Cyber Security (10)
- C6-OSF-23 : Operating System Forensics (10)
- C6-NSE-20 : Network Security (10)
- C6-WMS-23 : Wireless and Mobile Security (10)
- C7-IDS-23 : Information and Data Security (10)
- C7-EHK-13 : Ethical Hacking (20)
- C7-SDN-20 : Software Defined Network Engineering (10)
- C7-FIT-23 : Forensics Investigation Techniques (10)
- C7-CGT-23 : Cryptographic Techniques (10)
- C7-RMS-20 : Research Methods for STEM (10)
- C7-MAN-13 : Malware Analysis (20)
- C7-AEH-23 : Advanced Ethical Hacking (10)
- C7-MFO-20 : Mobile Forensics (10)
- C8-CCI-23 : Cyber Crime Investigation (10)
- C7-RP1-20 : Research Project 1: Proposal Writing (10)
- C7-CYL-23 : Cyber Law (10)
- B8-ENI-20 : Entrepreneurship and Innovation (20)
- C8-RP2-20 : Research Project 2: Dissertation (20)
- C7-PPC-20 : Professional Practice in Computing (40)

Elective Modules:

- C7-IOT-23 : Internet of Things (10)

- C7-CCS-20 : Cloud Computing and Security (10)
- C7-SDE-20 : Security by Design (10)
- C8-MAS-20 : Media and Storage (10)
- C8-MEF-23 : Media Forensics (10)
- C8-ISG-23 : Information Security Management and Governance (10)

Recommended full-time study path - 4 Years.

Semester 1
- C5-CE1-20, C5-PLD-20, C5-MAT-20, C5-OSH-11, C6-PIE-20

Semester 2
- C6-NEF-20, C6-DBC-20, D6-AWS-20, C6-CE2-20, C6-EOL-20

Semester 3
- C6-CFO-23, C6-IPC-11, C6-CFL-23, C6-RSW-20, C6-RSL-20

Semester 4
- C7-SCS-23, C6-PCS-23, C6-OSF-23, C6-NSE-20, C6-WMS-23

Semester 5
- C7-IDS-23, C7-EHK-13, C7-SDN-20, C7-FIT-23, C7-CGT-23

Semester 6
- C7-RMS-20, C7-MAN-13, C7-AEH-23, C7-MFO-20, (**Select one** C7-IOT-23, C7-CCS-20, C7-SDE-20)

Semester 7
- C8-CCI-23, C7-RP1-20, C7-CYL-23, B8-ENI-20, (**Select one** C8-MAS-20, C8-MEF-23, C8-ISG-23)

Semester 8
- C8-RP2-20, C7-PPC-20

Admissions Criteria
1) BGCSE/equivalent with 5 Passes.

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