

AWS-20, C6-NEF-20

Semester 3:

- C6-DMS-20, C6-DMP-20, C6-IPC-11, C6-LIE-19

Semester 4:

- C6-DMO-11, C6-WDD-20, C6-WDP-20, C7-SEN-11

Semester 5:

C7-JAV-11, C7-ITE-20, C7-RMS-20 Select anyone from (C7-PN1-11, C7-CP1-11)

Semester 6:

C7-ITP-11, C7-ADJ-11, C7-DSA-11

Semester 7:

C7-RP1-20, B8-ENT-13, C8-HCI-23 Select anyone from (C8-CP2-11, C8-PN2-11)

Semester 8:

- C7-PPC-20, C8-RP2-20

Recommended full-time study path for Network and Infrastructure Management (4 years):

Semester 1:

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

Semester 2:

- C6-DMA-19, C6-CE2-20, C6-CSA-20, D6-AWS-20, C6-NEF-20

Semester 3:

- C6-DMS-20, C6-DMP-20, C6-IPC-11, C6-LIE-19

Semester 4:

- C7- JAV-11, C6-RSW-20, C6-RSL-20, C7-SCS-20

Semester 5:

- C6-SCN-20, C7-WN1-11, C7-ITM-20, C7-RMS-20

Semester 6:

- C7-ITP-11, C7-LWD-20, C7-LWL-20, C7-WN2-11

Semester 7:

• C7-RP1-20, C8-LNA-11, B8-ENT-11 Select anyone from (C7-NSE-20, C7-WNS-20)

Semester 8:

- C7-PPC-20, C8-RP2-20

Admissions Criteria

- 1) SGCSE/equivalent with minimum Credit (C) in 5 subjects including English and Mathematics
- 2) Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency.
- 3) For enquiries and more information please visit our website: www.bothouniversity.com

Bachelors of Science in Mobile Computing

Programme details:

The programme consists of core (required) and elective modules as follows. 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-CE1-20: Computer and its Essentials 1 (10)
- C6-PIE -20: Professional Issues and Ethics (10)
- C5-MAT-20: Mathematics (10)
- C5-OSH-11: Operating Systems and Hardware :(20)
- C5-PLD-20: Programming Logic and Design (10)
- C6-MCE-20: Mobile Computing Essentials (20)
- C6-CE2-10: Computer and its Essentials 2 (10)
- C6-CSA-20: Computer System Architecture (10)
- C6-MHT-20: Mobile Hardware Troubleshooting (10)
- D6-AWS-20: Academic Writing for STEM (10)
- C6-DMS-20: Database Management Systems (10)
- C6-DMP-20: Database Management Practice Lab (10)

FACULTY OF ENGINEERING AND TECHNOLOGY (CONTINUED)

- C6-MDC-20: Mobile Data Communications (10)
- C6-MOS-20: Mobile Operating Systems (10)
- C6-PUC-20: Programming using C++ (20)
- C6-MDB-20: Mobile Databases (10)
- C6-SEN-20: Software Engineering (10)
- C6-PUJ: Programming Using Java (20)
- C6-DSA-20: Data Structures and Algorithm (10)
- C6-WDD-20: Web Design and Development (10)
- C6-WDP-20: Web Design Practice Lab (10)
- C7-MA1-20: Mobile Application Development (10)
- C7-MAN-20: Mobile Adhoc Networks (10)
- C7-ITE-20: Internet Technologies (10)
- C7-SIA-20: SMS Integration and Applications (10)
- C7-HMD-20: Hybrid Mobile Application Development (10)
- C7-MAS-20: Mobile Application Security (10)
- C7-MA2-20: Mobile Application Development -2 (10)
- C7-CCS-20: Cloud Computing and Security (10)
- C7-RMS-20: Research Methods for STEM (10)
- C7-MGD-20: Mobile Game Development (10)
- C7-RP1-20: Research Project 1: Proposal Writing (10)
- C7-MFO-20: Mobile Forensics (10)
- B8-ENI-20: Entrepreneurship and Innovation (20)
- C7-PPC-20: Professional Practice in Computing (40)
- C8-RP2-20: Research Project 2: Dissertation (20)

Elective modules:

- C7-CCS-20: Cloud Computing and Security (10)
- C7-RMS-20: Research Methods for STEM (10)
- C7-MGD-20: Mobile Game Development (10)
- C7-RP1-20: Research Project 1: Proposal Writing (10)
- C7-MFO-20: Mobile Forensics (10)
- B8-ENI-20: Entrepreneurship and Innovation (20)
- C7-PPC-20: Professional Practice in Computing (40)
- C8-RP2-20: Research Project 2: Dissertation (20)

Recommended full-time study path (4 years):

Semester 1:

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

Semester 2:

- C6-MCE-20, C6-CE2-10, C6-CSA-20, C6-MHT-20, D6-AWS-20

Semester 3:

- C6-DMS-20, C6-DMP-20, C6-MDC-20, C6-PUC-20

Semester 4:

- C6-MDB-20, C6-DSA-20, C6-PUJ, C6-WDD-20, C6-WDP-20

Semester 5:

- C7-MA1-20, C7-MAN-20, C7-ITE-20, C7-SIA-20, C6-MOS-20, C7-HMD-20

Semester 6:

- C7-MAS-20, C7-MA2-20, C7-CCS-20, C7-RMS- 20, C6-SEN-20, Elective Select any one (C7-DIS-20, C7-MTH-20, C7-MIA - 20)

Semester 7:

- C7-MGD-20, C7-RP1-20, C7-MFO-20, B8-ENI -20 Elective Select any one (C8-ITL-20, C8-MEC-20, C8-MID-20)

Semester 8:

- C7-PPC-20, C8-RP2-20

Admissions Criteria

- 1) SGCSE/equivalent with minimum Credit (C) in 5 subjects including English and Mathematics.
- 2) Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency.
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