MODULES
2020/21

25 years
years
BOTHO UNIVERSITY
1997 - 2022

FACULTY OF
COMPUTING
BACHELOR OF SCIENCE
IN MOBILE COMPUTING

https://botswana.bothouniversity.com/

BACHELOR OF SCIENCE IN MOBILE COMPUTING

Programme details

The programme consists of core modules (required) which are combination of 10 and 20 credit modules, and elective modules as follows, elective modules and 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 50 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- 20: 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)
- 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-20 : Programming Using Java (10)
- 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 – 1 (20)
- 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 (20)

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Core Modules (Continued)

- 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

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

Semester 2:
- C6-MCE- 20, C6-CE2- 20, C6-CSA- 20, C6-MHT-20 ,D6-AWS-20

Semester 3:
- C6-DMS- 20, C6-DMP-20 ,C6-MDC-20, C6-MOS-20, C6-PUC- 20

Semester 4:
- C6-MDB-20, C6-SEN-20, C6-PUJ-20, C6-DSA-20, C6-WDD-20

Semester 5:
- C6-WDP-20, C7-MA1- 20, C7-MAN-20 ,C7-ITE-20 ,C7-SIA-20,C7-HMD -20

Semester 6:
- C7-MAS-20, C7-MA2-20, C7-CCS-20, C7-RMS- 20, Select one from (C7-DIS-20, C7-MTH-20, C7-MIA – 20)

Recommended full-time study path (Continued)

Semester 7:
- C7-MGD- 20, C7-RP1-20, C7-MFO-20, B8-ENI -20, Select one from (C8-ITL-20,C8-MEC-20,C8-MID-20)

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

Admissions Criteria

1) Applicants are expected to have successfully completed secondary schooling. The typical entry requirement is BGCSE or IGCSE (in Botswana), LGCSE (in Lesotho) or an equivalent secondary school qualification.

2) Candidates are required to achieve a minimum pass in five subjects and 10 points in English and Mathematics, with a minimum of a C in Mathematics or 32 points and above in the best 5 subjects with a minimum of a C in Mathematics.

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