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

2) LGCSE/equivalent with a minimum of 5 subjects of which 3 Credits (C), 2 Pass (D) including minimum Pass (D) in English, Pass (D) 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

BSc (Hons) 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 - ICO - 11: Introduction to Computers (20)
- C5-MAT-11: Mathematics for Computing(20)
- D5 - CSS - 14: Communication Study Skills 1 (20)
- C5 - CSA - 11: Computer Systems Architecture (20)
- C5 - OSH - 11: Operating Systems and Hardware (20)
- C6-DMA-19: Discreet Mathematics (20)
- C6 - QMD - 11: Querying and Managing Databases (40)
- C6-DCN-19: Data Communications and Data Networking (20)
- C6-LIE-19 :Linux Essentials (20)
- C6 - IPC - 11: Introduction to Programming using C++ (20)
- C6-WDD-19 : Web Design and Development (20)
- C6 - MDC - 13: Mobile Communications (20)
- C7 - JAV - 11: Programming Using Java (20)
- C7-MDC-19 : Mobile Data Communications (20)
- C7 - MOS - 13: Mobile Operating Systems (20)
- C7 - WNM - 13: Wireless Networks and Mobile System Architecture (20)
- C7 - MDP - 13: Mobile Device Programming (20)
- C7-MTE-13: Mobile Technologies(20)
- C7 - PPR - 11: Professional Practice in Computing (60)
- C8 - MID - 13: Mobile Interaction Design (20)
- C8-WMS-19: Wireless and Mobile Network Security(20)
- C8 - PRO - 11: Project (40)

Elective modules:
Select Two from the following:
- C8 - DIS - 13: Distributed Systems (20)
- C8- MIA- 13: Mobile INternet Applications and Services

- B8-ENT-11: Essentials of Entreprenuership (20)
- E8 - ISD - 17: Innovation for sustainable development (20)

Recommended full-time study path (4½ years):

Semester 1:
- C5 - ICO - 11, C5 - MAT - 11, D5 - CSS - 14

Semester 2:
- C5 - CSA - 11, C5 - OSH - 11,C5-DMA-19

Semester 3:
- C6 - QMD - 11, C6 - IPC - 11

Semester 4:
- C6 - DCN- 19, C6 - LIE - 19, C6 - WDD - 19

Semester 5:
- C7 - JAV - 11, C7 - MDC - 19, C7 - MOS - 13

Semester 6:
- C7 - WNM - 13, C7 - MDP - 13, C7 - MTE - 13

Semester 7:
- C7 - PPR - 11

Semester 8:
- C8 - MID - 13,C8-WMS-19 Select one from (C8 - DIS - 13,C8-MIA-13)

Semester 9:
- C8 - PRO - 11, Elective (B8 - ENT - 11, E8 - ISD - 17)

Admissions Criteria

1) Applicants are expected to have successfully completed secondary schooling. The typical entry requirement is LGCSE or other equivalent secondary school qualification.

2) LGCSE/equivalent with a minimum of 5 subjects of which 3 Credits (C), 2 Pass (D) including minimum Pass (D) in English, Pass (D) 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.

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

Bachelor of Science in Computer Networking

Programme details:
This programme consists of core modules (required) which are combination of 10 credit and 20 credit modules, 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 core requisite (i.e. such modules are required to be taken together). 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)
- C5-PLD-20: Programming Logic and Design (10)
- C5-MAT-20: Mathematics (10)
- C6-PIE-20: Professional Issues and Ethics (10)
- C5-OSH-11: Operating Systems and Hardware (20)
- 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-CSA-20: Computer System Architecture (10)
- C6-MDW-20: Managing Business Desktops using Windows (10)
- C6-PUC-20: Programming using C++ (20)
- C6-NSE-20: Network Security (10)
- C6-RSW-20: Routing and Switching (10)
- C6-RSL-20: Routing and Switching Lab (10)
- C6-WDD-20 : Web Design and Development (10)
- C6-WDP-20 : Web Design Practice Lab (10)
- C6-EOL-20: Essentials of Linux (10)
- C6-DSA-20: Data Structures and Algorithm (10)

Program Version Course List

Course Code	Course Description	Credits	Elective List	Pre-Requisite List	Co-Requisite List	PreElect	ResourceList
				Weeks :234.00 Credits :540.00			
MCO-8BH-19	Bachelor of Science (Honours) in Mobile Computing						
Core							
C5-CSA-11	Computer System Architecture	20.00					
C5-ICO-11	Introduction to Computers	20.00					MSOF10 - Microsoft Office 2010
C5-MAT-11	Mathematics -I	20.00					
C5-OSH-11	Operating Systems and Hardware	20.00					STDOS - Standard OS
C6-DMA-19	Discrete Mathematics	20.00					
C7-PPR-11	Professional Practice	60.00					
D1-FYE-16	BGP workshops	0.00					
D5-CSS-14	Communication and Study Skills	20.00					
C6-QMD-11	Querying and Managing Databases	40.00		C5-ICO-11 - Introduction to Computers			MSSQL12 - Microsoft SQL server 2012
C6-WDD-19	Web Design and Development	20.00		C5-ICO-11 - Introduction to ComputersC6-CE2-20 - Computer and its Essentials 2			
C6-IPC-11	Introduction to Programming Using C++	20.00		C5-MAT-11 - Mathematics -I			TURC++ - Turbo C++, MSOF10 - Microsoft Office 2010
C6-DCN-19	Data Communications and Computer Networking	20.00		C5-OSH-11 - Operating Systems and Hardware			
C6-LIE-19	Linux Essentials	20.00		C5-OSH-11 - Operating Systems and Hardware			
C7-MDC-19	Mobile Data Communications	20.00		C5-OSH-11 - Operating Systems and Hardware			
C7-MOS-13	Mobile Operating System	20.00		C5-OSH-11 - Operating Systems and Hardware			
C7-JAV-11	Programming Using JAVA	20.00		C6-IPC-11 - Introduction to Programming Using C++C5-ICO-11 - Introduction to Computers			NBEN8.1 - Netbeans 8.1
C7-MTE-13	Mobile Technologies	20.00		C6-MDC-13 - Mobile CommunicationsC7-MDC-19 - Mobile Data Communications			
C7-WNM-13	Wireless Networks and Mobile System Architecture	20.00		C6-MDC-13 - Mobile CommunicationsC7-MDC-19 - Mobile Data Communications			
C7-MDP-13	Mobile Device Programming	20.00		C7-JAV-11 - Programming Using JAVA			JM2EMU - J2ME Emulator, NBEN8.1 - Netbeans 8.1
C8-MID-13	Mobile Interaction Design	20.00		C7-MTE-13 - Mobile Technologies			
C8-PRO-11	Project	40.00		C7-PPR-11 - Professional Practice			
C8-WMS-19	Wireless and Mobile Networking Security	20.00		C7-WNM-13 - Wireless Networks and Mobile System Architecture			

Course Code	Course Description	Credits	Elective List	Pre-Requisite List	Co-Requisite List	PreElect	ResourceList
Elective							
ELEC	Elective 1	20.00	C8-MEC-13 - Mobile Electronic Commerce, C8-MIA-13 - Mobile Internet Applications and Services, C8-DIS-13 - Distributed System			C6-MDC-13 - Mobile CommunicationsC7-MDC-19 - Mobile Data Communications, C7-WNM-13 - Wireless Networks and Mobile System Architecture, C7-DCO-13 - Data Communications	
ELEC	Semester 9 Electives	20.00	B8-ENT-13 - Essentials of Entrepreneurship, E8-ISD-18 - Innovation for Sustainable Development, C8-APD-20 - Analytical Product Design				
24		540.00					
24		540.00					

Program Version : Bachelor of Science (Honours) in Mobile Computing

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