equivalent secondary school qualification.

2) BGCSE/equivalent with minimum Pass (D) in 5 subjects including English and 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**

Bachelor of Science (Hons) in Multimedia Systems

Programme details:
The programme consists of core modules (required), 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 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 and Hardware (20)
- C6 - IPC - 11: Introduction to Programming using C++ (20)
- C6 - QMD - 11: Querying and Managing Databases (40)
- C6 - WDD - 19: Web Content and Development (20)
- C7 - ICG - 14: Introduction to Computer Graphics (20)
- C7 - DSA - 11: Data Structures and Algorithms (20)
- C7 - IMS - 14: Introduction to Multimedia Studies (20)

- C7 - 2DA - 14: 2D Design and Animation (20)
- C7 - DIP - 14: Digital Image Processing (20)
- C8 - IDE - 11: Interaction Design (20)
- C7 - PPR - 11: Professional Practice (60)
- C8 - 3DA - 14: 3D Design and Animation (20)
- C8 - MGD - 14: Multimedia Games Design and Development (20)
- C8 - AMP - 14: Advanced Multimedia Applications (20)
- C8 - PRO - 11: Project (40)
- C7 - CP1 - 11: Designing Creative Publications 1 (20)
- C8 - CP2 - 11: Designing Creative Publications 2 (20)
- C7 - AVP - 17: Audio and Video Production (20)

Elective modules:
- B8-ENT-13: Essentials of Entreprenurship(20)
- C8-APD-20: Analytical Product Design
- E8-ISD-18: 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, C6 - WDD - 19, C7 - IMS - 14

Semester 3:
- C5 - OSH - 11, C6 - IPC - 11, C7 - CP1 - 11

Semester 4:
- C6 - QMD - 11, C8 - CP2 - 11

Semester 5:
- C7 - ICG - 14, C7 - DSA - 11, C8 - IDE - 14

Semester 6:
- C7 - 2DA - 14, C7 - DIP - 14, C7 - AVP - 17

Semester 7:
- C7 - PPR - 11

Semester 8:
- C8 - 3DA - 14, C8 - MGD - 14, C8 - AMP - 14

Semester 9:
- C8 - PRO - 11, Elective (one of B8 - ENT - 13, E8 - ISD - 18,C8-APD-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 other equivalent secondary school qualification.
2) BGCSE/equivalent with minimum Pass (D) in 5 subjects including English and Mathematics.
3) Applicants in possession of a Diploma or

*The programmes offered in this document are accredited by BQA and offered at Botho University at the time of print. Please refer to your offer letter from the admissions department for any changes in programme name or duration that may occur due to regulatory requirements.

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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**

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**			
MMS-8BH-17	**Bachelor of Science (Honours) in Multimedia Systems**						
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-DC1-17	Designing Creative Publications 1 Workshop	0.00					
C7-AVP-17	Audio and Video Production	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
C7-IMS-14	Introduction to Multimedia Studies	20.00		C5-ICO-11 - Introduction to Computers			
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

Course Code	Course Description	Credits	Elective List	Pre-Requisite List	Co-Requisite List	PreElect	ResourceList
C7-DIP-14	Digital Image Processing	20.00		C6-IPC-11 - Introduction to Programming Using C++			MATLAB - MATLAB
C7-ICG-14	Introduction to Computer Graphics	20.00		C6-IPC-11 - Introduction to Programming Using C++			
C7-DSA-11	Data Structure and Algorithms	20.00		C6-IPC-11 - Introduction to Programming Using C++C6-PUC-20 - Programming using C++			TURC++ - Turbo C++, NBMWCR - NETBEANS with MINGW (COMPILER)
C7-CP1-11	Designing Creative Publications 1	20.00		C6-WCD-11 - Web Content Development			ADPCS6 - Adobe Photoshop CS6, ADFCS6 - Adobe Flash CS6
C8-3DA-14	3D Design and Animation	20.00		C7-2DA-14 - 2D Design and AnimationC7-CP1-11 - Designing Creative Publications 1C6-DC1-17 - Designing Creative Publications 1 Workshop			
C8-CP2-11	Designing Creative Publications 2	20.00		C7-CP1-11 - Designing Creative Publications 1C7-PN1-11 - Programming Using .Net 1C6-DC1-17 - Designing Creative Publications 1 Workshop			ADICS6 - Adobe illustrator CS6, AINCS6 - Adobe InDesign CS6, ADDCS6 - Adobe Dreamweaver CS6
C7-2DA-14	2D Design and Animation	20.00		C7-ICG-14 - Introduction to Computer Graphics			
C8-AMP-14	Advanced Multimedia Applications	20.00		C7-IMS-14 - Introduction to Multimedia Studies			MDMX04 - Macromedia Director MX 2004
C8-PRO-11	Project	40.00		C7-PPR-11 - Professional Practice			
C8-IDE-11	Interaction Design	20.00		C7-SEN-11 - Software EngineeringC6-WCD-11 - Web Content Development			

Course Code	Course Description	Credits	Elective List	Pre-Requisite List	Co-Requisite List	PreElect	ResourceList
C8-MGD-14	Multimedia Games Design and Development	20.00		C8-CP2-11 - Designing Creative Publications 2			ADFCS6 - Adobe Flash CS6, 3DDSMX - 3D Studio Max
24		**520.00**					

Elective

Course Code	Course Description	Credits	Elective List	Pre-Requisite List	Co-Requisite List	PreElect	ResourceList
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				
1		**20.00**					
25		**540.00**					