FACULTY OF ENGINEERING AND TECHNOLOGY



Master of Science in Information Systems Management

Programme details:

The programme consists of core (required) and elective modules as indicated below. Some modules may have pre-requisites (i.e may require students to pass another module or set of modules first). Some modules may be co-requisite (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 an average of 100 hours of learning from the student.

Core modules:

- C9-BDM-22: Big Data Management (20)
- C9-SDG-22: System Development
- Management and Governance(20)
- C9-ISM-15: Information Security Management
 (20)
- C9-IPM-22: ICT Project Management (20)
- C9-PIM-22: Principles of Information Technology Management (20)
- C9-MIS-22: Management Information Systems (20)
- C9-RPP-15: Research Project 1: Proposal Writing (20)
- C9-PWD-15: Project Work 2: Dissertation (60)

Elective Modules:

Select any two:

- C9-IFM-22 Infrastructure Management(20)
- C9-ICM-22 ICT Strategic Management (20)
- C9-CMS-22 Content Management Systems (20)
- C9-DAN-22 Data Analytics (20)

Recommended full-time study path (2 years):

The duration of this programme is two years and will be offered in Blended and Distance Learning. During study, students must undergo coursework and dissertation. Semester 1:

 C9-BDM-22, C9-SDG-21, Select one (C9-IFM-22, C9- ICM-21)

Semester 2:

 C9-ISM-15, C9-IPM-22, Select one (C9-CMS-22, C9-DAN-22

Semester 3:

• C9-PIM-22, C9-MIS-22, C9-RPP-15

Semester 4:

• C9-PWD-15

Admissions Criteria

Entry into this qualification is through any one of the following requirements:

 The minimum admission requirement is a bachelor's degree Honors in Computing/ Computer Science / Information Technology or any computer related field.

2)A Post-Graduate Diploma (NCQF level 8) in the field of study (Computing) may also meet admission requirements provided that at least 20 credits at level 8 have been allocated to research methodology within or additional to the qualification.

3) Applicants that do not meet the above criteria but possess relevant industry experience will be considered through recognition of prior learning (RPL).

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

*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.

Program Version Course List



Marster not Marster of Science in Information Systems Weeks 38.00 Core C C C3-800-22 Big Data Management 20.00 C3-MIX-22 LCT Project Management 20.00 C3-MIX-22 LCT Project Management 20.00 C3-R0P-15 Research Methods and Project 20.00 C3-S0F-27 System Development 20.00 C3-S0F-27 System Service Quality 15 - Internet and Development C4-S0F-25 System Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality								
IMABAGE Mater of Science in Information Systems Credits :40.00 Management Gamma 20.00 Cay Magement Gamma 20.00 Cay Magement Technology Management Management and Governance 20.00 Cay Magement Gamma 20.00 Cay Magement Management and Governance 20.00 Cay Magement Gamma Gamma Gamma Gamma 20.00 Cay Magement Management and Governance 20.00 Cay Magement Gamma Gamma Magement Magement Magement Magement Magement Magement Magement Magement Magement Management	<u>Course Code</u>	Course Description	<u>Credits</u>	Elective List	Pre-Requisite List	<u>Co-Requisite List</u>	PreElect	<u>ResourceList</u>
Junagement 200 C9-900-22 ICT Project Management 20.0 G9-MIS-22 ICT Project Management 20.0 G9-MIS-22 Principles of Information 20.0 G9-SPIM-22 Principles of Information 20.0 G9-SPIM-23 Research Methods and Project 20.0 G9-SPIM-24 System Development 20.00 G9-SPIM-25 Research Methods and Project 20.0 G9-SPIM-26 System Development 20.00 G9-SPIM-27 System Development 20.00 G9-SPIM-28 Research Methods and Project 20.00 G9-SPIM-29 System Development 20.00 G9-SPIM-20 System Development Communication and G9-SPIM-21 System Development 20.00 G9-SPIM-215 System Development System Development G9-SPIM-215 System Development System Development G9-SPIM-215 System Development System System Development G9-SPIM-215 System Development System System Development G9-SPIM-215 <td< th=""><th></th><th></th><th>in Informati</th><th>ing Custome</th><th></th><th></th><th></th><th></th></td<>			in Informati	ing Custome				
C9-8DM-22 Big Data Management 20.00 C9-M5-22 ICT Project Management 20.00 System 20.00 System 20.00 System 20.00 System 20.00 System 20.00 C9-RM-22 Principies of Information 20.00 Planning 20.00 Panning 20.00 System Development 20.00 PPWD-15 Project work Dissertation 60.00 C9-PWD-15 Project		Master of Science	in informat	ion systems	Credits :240.00			
C9-PM-22 ICT Project Management 20.00 C9-MIS-22 Management Information 20.00 C9-PIM-22 Principles of Information 20.00 C9-PIM-23 Research Methods and Project 20.00 C9-PIM-25 Research Methods and Project 20.00 C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-25 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-24 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-215 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-25 Project Methods Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project Methods Dissertation 60.00 C6-DCN15 - Data C9-PIM-16 Project Dissertation Big Data Big Data Adaption Integration(9-PIRM) Easearch Application	Core							
G-MIS-22 Management Information System 20.00 G-PM-22 Principles of Information Technology Management 20.00 G-SRP-15 Research Methods and Project 20.00 G-SRP-15 Research Methods Governance CD-ON G-PWD-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-NWP- 15 - Internet and Web Programmigc5 G-PWD-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 16 - Software G-SRP-15 Project Market System CS-SAD-15 - System CS-SAD-15 - System CS-DA-15 - Database System CS- CAI-15 - Data Secontry CB-DA-22 - Big Data Replication Management CS- NC2 - Information Management CS- NC3-22 - Content Management CS- System SC-PAM-22 - Data analytic CS- ICM-32 - ICT Project Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH-	C9-BDM-22	Big Data Management	20.00					
 System System C3-PIM-22 Principles of Information 20.00 C4-RPP-15 Research Methods and Project 20.00 20.0	C9-IPM-22	ICT Project Management	20.00					
Technology Management 20.00 Panning 20.00 GS-SDG-22 System Development 20.00 CG-PWD-15 Project work Dissertation 60.00 CG-PCN-15 - Data CG-PWD-15 Project work Dissertation 60.00 CG-PCN-15 - Data Number Signed Communication and Networking/GS-WPP- 15 - Internet and Networking/GS-WPP- 15 - Internet and View Programming/CS 30.01 Signed Communication and Web Programming/CS 30.01 Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication Signed Communication and	C9-MIS-22		20.00					
Planning C9-StG-22 System Development C9-StG-23 System Development C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C6-DCN-15- Data NetworkingC6-IWP- C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C6-DCN-15- Software Data C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C9-PWD-15 Project work Dissertation Software Data Engineeting FoundationsC5-SQA- Software Data FoundationsC5-SQA- Data Engineeting FoundationsC5-SQA- System Sr-System Sanayisis and Design(9-CNS-15- Computer Network Security(C9-DBS-15- DataBase System C0- EAH-35 - Enterprise Application IntegrationG5-PRM- 15 - Project 15 - Project Management(5-SPM- 15 - Nesearch Big Data Management(5-SPM- Data BanayticsC9- ICM-22 - C17 Strategic Management(5- Management(5-JMA- 22 - Infrastructure Management(5-JMM- 22 - Infrastructure Management(5-JMM- 22 - Infrastructure Management(5-JMM- 22 - ICT Project Management(5-JMM- 22 - ICT Project Management(5-JMM- 22 - ICT Project Management(5-JMM- 15 - Information Security Management(5-JMM- 22 - ICT Project Management(5-JMM- 15 - Information Security Management(5-JMM- 24 - Management(5-JMM- 24 - Management(5-JMM- 24 - Managem	C9-PIM-22	-	20.00					
C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15 - Data Communication and NetworkingC6-IWP- 15 - Interret and Web ProgrammingC5 - SoC1-5 - Software Engineering FoundationSC-SOA- 15 - Software Quality and AssuranceC7- Mis-15 - Management Information Systems:C7-SA0-15 - Systems:C7-SA0-15 - System:C7-SA0-15 - System:C7-SA0-12 - Statanalytic:C9- ICM-22 - ICT Project Management:C9-IM-12 - ICM-22 - ICT Project Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:	C9-RPP-15	Planning	20.00					
Communication and NetworkingC6-WP- 15 - Internet and Web ProgrammigC5 	C9-SDG-22	management and Governance						
Principles of Information Technology ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-SDG-22 - System Development management and	C9-PWD-15				Communication and NetworkingC6-IWP- 15 - Internet and Web ProgrammingC5 -SOE-15 - Software Engineering FoundationsC6-SQA- 15 - Software Quality and AssuranceC7- MIS-15 - Management Information SystemsC7-SAD-15 - Systems Analysis and DesignC9-CNS-15 - Computer Network SecurityC9-DBS-15 - Database SystemC9- EAI-15 - Enterprise Application IntegrationC9-PRM- 15 - Project ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-BDM-22 - Big Data ManagementC9- CMS-22 - Content Management SystemsC9-DAN-22 - Data analyticsC9- ICM-22 - ICT Strategic ManagementC9-IFM- 22 - Infrastructure ManagementC9-IFM- 22 - Infrastructure ManagementC9-ISM- 15 - Information Security ManagementC9-ISM- 15 - Information SystemC9-PIM-22 - Principles of Information Technology ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-SDG-22 - System Development			
Governance C9-ISM-15 Information Security 20.00 C9-CNS-15 - Management Computer Network Security	C9-ISM-15		20.00		C9-CNS-15 - Computer Network			

Course Code	Course Description	<u>Credits</u>	Elective List	Pre-Requisite List	<u>Co-Requisite List</u>	PreElect	<u>ResourceList</u>
Elective							
ELEC	Semester 1 Electives	20.00	C9-IFM-22 - Infrastructure Management, C9-ICM- 22 - ICT Strategic Management				
ELEC	Semester 2 Electives	20.00	C9-CMS-22 - Content Management Systems, C9-DAN-22 - Data analytics				
10		240.00					
10		240.00					

Export to Excel

Program Version Course List



Marster not Marster of Science in Information Systems Weeks 38.00 Core C C C3-800-22 Big Data Management 20.00 C3-MIX-22 LCT Project Management 20.00 C3-MIX-22 LCT Project Management 20.00 C3-R0P-15 Research Methods and Project 20.00 C3-S0F-27 System Development 20.00 C3-S0F-27 System Service Quality 15 - Internet and Development C4-S0F-25 System Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality Software Quality Sistem Service SofA- 15 - Software Quality								
IMABAGE Mater of Science in Information Systems Credits :40.00 Management Gamma 20.00 Cay Magement Gamma 20.00 Cay Magement Technology Management Management and Governance 20.00 Cay Magement Gamma 20.00 Cay Magement Management and Governance 20.00 Cay Magement Gamma Gamma Gamma Gamma 20.00 Cay Magement Management and Governance 20.00 Cay Magement Gamma Gamma Magement Magement Magement Magement Magement Magement Magement Magement Magement Management	<u>Course Code</u>	Course Description	<u>Credits</u>	Elective List	Pre-Requisite List	<u>Co-Requisite List</u>	PreElect	<u>ResourceList</u>
Junagement 200 C9-900-22 ICT Project Management 20.0 G9-MIS-22 ICT Project Management 20.0 G9-MIS-22 Principles of Information 20.0 G9-SPIM-22 Principles of Information 20.0 G9-SPIM-23 Research Methods and Project 20.0 G9-SPIM-24 System Development 20.00 G9-SPIM-25 Research Methods and Project 20.0 G9-SPIM-26 System Development 20.00 G9-SPIM-27 System Development 20.00 G9-SPIM-28 Research Methods and Project 20.00 G9-SPIM-29 System Development 20.00 G9-SPIM-20 System Development Communication and G9-SPIM-21 System Development 20.00 G9-SPIM-215 System Development System Development G9-SPIM-215 System Development System Development G9-SPIM-215 System Development System System Development G9-SPIM-215 System Development System System Development G9-SPIM-215 <td< th=""><th></th><th></th><th>in Informati</th><th>ing Custome</th><th></th><th></th><th></th><th></th></td<>			in Informati	ing Custome				
C9-8DM-22 Big Data Management 20.00 C9-M5-22 ICT Project Management 20.00 System 20.00 System 20.00 System 20.00 System 20.00 System 20.00 C9-RM-22 Principies of Information 20.00 Planning 20.00 Panning 20.00 System Development 20.00 PPWD-15 Project work Dissertation 60.00 C9-PWD-15 Project		Master of Science	in informat	ion systems	Credits :240.00			
C9-PM-22 ICT Project Management 20.00 C9-MIS-22 Management Information 20.00 C9-PIM-22 Principles of Information 20.00 C9-PIM-23 Research Methods and Project 20.00 C9-PIM-25 Research Methods and Project 20.00 C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-25 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-24 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-215 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project work Dissertation 60.00 C6-DCN15 - Data C9-PIM-25 Project Methods Dissertation 60.00 C6-DCN15 - Data C9-PIM-15 Project Methods Dissertation 60.00 C6-DCN15 - Data C9-PIM-16 Project Dissertation Big Data Big Data Adaption Integration(9-PIRM) Easearch Application	Core							
G-MIS-22 Management Information System 20.00 G-PM-22 Principles of Information Technology Management 20.00 G-SRP-15 Research Methods and Project 20.00 G-SRP-15 Research Methods Governance CD-ON G-PWD-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-NWP- 15 - Internet and Web Programmigc5 G-PWD-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 15 - Software G-SRP-15 Project work Dissertation 60.00 CB-DCN-15 - Data Communication and NetworkingG-SUP- 16 - Software G-SRP-15 Project Market System CS-SAD-15 - System CS-SAD-15 - System CS-DA-15 - Database System CS- CAI-15 - Data Secontry CB-DA-22 - Big Data Replication Management CS- NC2 - Information Management CS- NC3-22 - Content Management CS- System SC-PAM-22 - Data analytic CS- ICM-32 - ICT Project Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH- Management CS- SH-	C9-BDM-22	Big Data Management	20.00					
 System System C3-PIM-22 Principles of Information 20.00 C4-RPP-15 Research Methods and Project 20.00 20.0	C9-IPM-22	ICT Project Management	20.00					
Technology Management 20.00 Panning 20.00 GS-SDG-22 System Development 20.00 CG-PWD-15 Project work Dissertation 60.00 CG-PCN-15 - Data CG-PWD-15 Project work Dissertation 60.00 CG-PCN-15 - Data Number Signed Communication and Networking/GS-WPP- 15 - Internet and Networking/GS-WPP- 15 - Internet and View Programming/CS 30.01 Signed Communication and Web Programming/CS 30.01 Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication and Signed Communication Signed Communication and	C9-MIS-22		20.00					
Planning C9-StG-22 System Development C9-StG-23 System Development C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C6-DCN-15- Data NetworkingC6-IWP- C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C6-DCN-15- Software Data C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15- Data C9-PWD-15 Project work Dissertation Software Data Engineeting FoundationsC5-SQA- Software Data FoundationsC5-SQA- Data Engineeting FoundationsC5-SQA- System Sr-System Sanayisis and Design(9-CNS-15- Computer Network Security(C9-DBS-15- DataBase System C0- EAH-35 - Enterprise Application IntegrationG5-PRM- 15 - Project 15 - Project Management(5-SPM- 15 - Nesearch Big Data Management(5-SPM- Data BanayticsC9- ICM-22 - C17 Strategic Management(5- Management(5-JMA- 22 - Infrastructure Management(5-JMM- 22 - Infrastructure Management(5-JMM- 22 - Infrastructure Management(5-JMM- 22 - ICT Project Management(5-JMM- 22 - ICT Project Management(5-JMM- 22 - ICT Project Management(5-JMM- 15 - Information Security Management(5-JMM- 22 - ICT Project Management(5-JMM- 15 - Information Security Management(5-JMM- 24 - Management(5-JMM- 24 - Management(5-JMM- 24 - Managem	C9-PIM-22	-	20.00					
C9-PWD-15 Project work Dissertation 60.00 C6-DCN-15 - Data Communication and NetworkingC6-IWP- 15 - Interret and Web ProgrammingC5 - SoC1-5 - Software Engineering FoundationSC-SOA- 15 - Software Quality and AssuranceC7- Mis-15 - Management Information Systems:C7-SA0-15 - Systems:C7-SA0-15 - System:C7-SA0-15 - System:C7-SA0-12 - Statanalytic:C9- ICM-22 - ICT Project Management:C9-IM-12 - ICM-22 - ICT Project Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:C9-IM-12 - Management:	C9-RPP-15	Planning	20.00					
Communication and NetworkingC6-WP- 15 - Internet and Web ProgrammigC5 	C9-SDG-22	management and Governance						
Principles of Information Technology ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-SDG-22 - System Development management and	C9-PWD-15				Communication and NetworkingC6-IWP- 15 - Internet and Web ProgrammingC5 -SOE-15 - Software Engineering FoundationsC6-SQA- 15 - Software Quality and AssuranceC7- MIS-15 - Management Information SystemsC7-SAD-15 - Systems Analysis and DesignC9-CNS-15 - Computer Network SecurityC9-DBS-15 - Database SystemC9- EAI-15 - Enterprise Application IntegrationC9-PRM- 15 - Project ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-BDM-22 - Big Data ManagementC9- CMS-22 - Content Management SystemsC9-DAN-22 - Data analyticsC9- ICM-22 - ICT Strategic ManagementC9-IFM- 22 - Infrastructure ManagementC9-IFM- 22 - Infrastructure ManagementC9-ISM- 15 - Information Security ManagementC9-ISM- 15 - Information SystemC9-PIM-22 - Principles of Information Technology ManagementC9-RPP- 15 - Research Methods and Project PlanningC9-SDG-22 - System Development			
Governance C9-ISM-15 Information Security 20.00 C9-CNS-15 - Management Computer Network Security	C9-ISM-15		20.00		C9-CNS-15 - Computer Network			

Course Code	Course Description	<u>Credits</u>	Elective List	Pre-Requisite List	<u>Co-Requisite List</u>	PreElect	<u>ResourceList</u>
Elective							
ELEC	Semester 1 Electives	20.00	C9-IFM-22 - Infrastructure Management, C9-ICM- 22 - ICT Strategic Management				
ELEC	Semester 2 Electives	20.00	C9-CMS-22 - Content Management Systems, C9-DAN-22 - Data analytics				
10		240.00					
10		240.00					

Export to Excel