

# Uganda Martyrs University



**FACULTY OF SCIENCE**  
**Department of Computer Science and Information Systems**

**REVISED BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSc IT)**

**September, 2015**

**Table 2: Summary of the Curriculum Structure (Program Matrix)**

<b>Year 1</b>					
<i>Semester 1</i>					
<b>Code</b>	<b>Course Name</b>	<b>LH</b>	<b>PH</b>	<b>CH</b>	<b>CU</b>
CSC 1101	Introduction to Information Technology	45	30	60	4
CSC 1102	Web Development Technologies	45	30	60	4
CSC 1103	Computer Architecture and Organisation	30	30	45	3
CSC 1104	Principals of Programming	45	30	60	4
CSC 1105	Fundamentals of Networking	30	30	45	3
ENG 1101	English Language Grammar	30	30	45	3
MTC 1102	Elements of Mathematics	30	30	45	3
<b>Total CUs</b>					<b>24</b>

*Semester 2*

<b>Code</b>	<b>Course Name</b>	<b>L</b>	<b>P</b>	<b>CH</b>	<b>CU</b>
CSC 1201	Systems Analysis and Design	45	30	60	4
CSC 1202	Object-Oriented Programming	45	30	60	4
CSC 1203	Database Management Systems	45	30	60	4
CSC 1204	Computational Statistics	45		45	3
PIE 1102	Introduction to Ethics	45		45	3
LIT 1201	Literature and Composition	45		45	3
<b>Total CUs</b>					<b>21</b>
<b>Recess Semester CISCO</b>					

**Year 2***Semester 1*

<b>Code</b>	<b>Course Name</b>	<b>L</b>	<b>P</b>	<b>CH</b>	<b>CU</b>
CSC 2101	Programming Data Structures and Algorithms	45	30	60	4
CSC 2102	Information Security	45		45	3
CSC 2103	Operating Systems	60		60	4
CSC 2104	Data Communication and Networks	45	30	60	4
CSC 2105	Marketing in the IT Sector	45		45	3
COS 2101	Communication Skills	45		45	3
<b>Total CUs</b>					<b>21</b>

*Semester 2*

<b>Code</b>	<b>Course Name</b>	<b>L</b>	<b>P</b>	<b>CH</b>	<b>CU</b>
CSC 2201	User Interface Design and Development	45	30	60	4
CSC 2202	Web-based Systems Programming	45	30	60	4
CSC 2203	Database Programming	45	30	60	4
CSC 2204	Research Methods in IT	60		60	4
CSC 2205	Mobile Computing and Networks	45	30	60	4
CLS 2201	Original and Critical Language Skills	45		45	3
PEF 2201	Ethics in Focus	45		45	3
<b>Recess Semester</b>					
CSC 2206	Industrial Training		120	60	4
<b>Total CUs</b>					<b>30</b>

**Year 3***Semester 1*

<b>Code</b>	<b>Course Name</b>	<b>L</b>	<b>P</b>	<b>CH</b>	<b>CU</b>
CSC 3101	Dataware Housing and Business Intelligence	45	30	60	4
CSC 3102	Electronic Commerce	45	30	60	4
CSC 3103	System Administration and Computer Maintenance	45	30	60	4
CSC 3104	Information Systems Project Management	45	30	60	4
BEN 3101	Business English	45		45	3
	Elective	45		45	3
<b>Total CUs</b>					<b>25</b>
<b>Electives for IT and General:</b>					
CSC 3105	Financial Management in IT	45		45	3
CSC 3106	Emerging Trends in IT	45		45	3

*Semester 2*

<b>Code</b>	<b>Course Name</b>	<b>L</b>	<b>P</b>	<b>CH</b>	<b>CU</b>
CSC 3201	Computer Graphics and Animation	45	30	60	4
CSC 3202	Software Engineering	60		60	4
CSC 3203	Entrepreneurship	45		45	3
CSC 3204	Science, Technology & Ethics	45		45	3
CSC 3205	Research Project		120	60	4
<b>Total CUs</b>					<b>18</b>
<b>TOTAL CREDIT UNITS</b>					<b>139</b>

LH = Lecture Hours, PH = Practical Hours, CH = Contact Hours, CU = Credit Units

**NB: Total credit units is 139**