
1. COURSE REQUIREMENT AND SCHEDULE (BSC IN IS)

1.1 Course Requirement

1.1.1 Subject Area Core Courses

Course Code	Course Title	Credit Hours	Lecture Hours	Lab Hours
IS 111	Computer Programming I	5	4	2
IS 112	ICT Fundamentals	5	4	2
IS 121	Business Process Management	4	4	-
IS 122	Computer Programming II	5	4	2
IS 131	Systems Analysis and Design	4	4	-
IS 132	Windows Programming	5	4	2
IS 133	Database Technologies	5	4	2
IS 211	Organizational Behavior	4	4	-
IS 212	Web Technologies	5	4	2
IS 221	Platform Technologies	5	4	2
IS 222	E-Business Models	4	4	-
IS 223	Object Oriented Programming	5	4	2
IS 231	Information Systems Security	5	4	2
IS 311	IT Service Management	4	4	-
IS 331	IT Auditing Fundamentals	4	4	-
IS 332	Enterprise Systems	5	4	2
IS 411	IT Project Management	4	4	-
IS 412	Knowledge Management	4	4	-
IS 413	Business Intelligence and Data Mining	4	4	-
IS 421	Information Systems Strategy and Management	4	4	-
<i>Sub-Total</i>		<i>90</i>		

1.1.2 Subject Area Elective Courses

Course Code	Course Title	Credit Hours	Lecture Hours	Lab Hours
IS 232	Information & Society	4	4	-
IS 241	Recent Trend in ICT	4	4	-
IS 312	Human Computer Interaction	5	4	2
IS 313	Multimedia Applications	5	4	2
IS 314	Usability Engineering	5	4	2
IS 321	Mobile technologies	5	4	2
IS 322	Enterprise Social Networks	5	4	2
IS 333	IT Policy and Evaluation	4	4	-
IS 414	IT and Data Management for Business	5	4	2
IS 422	Network Administration	5	4	2
IS 431	Industry Practice	6	Supervised Industry	
IS 432	Senior Project	6	Supervised Project	

1.1.3 Required Supportive Courses

Course Code	Course Title	Credit Hours	Lecture Hours	Lab Hours
IS 117	Statistics and Probability	4	4	-
IS 127	Accounting Principles I	4	4	-
IS 137	Fundamental Concepts of Algebra	4	4	-
IS 217	Accounting Information Systems	4	4	-
IS 227	Research Methods	4	4	-
IS 237	Sales Management	4	4	-
IS 317	Marketing Principles and IT	4	4	-
IS 327	Fundamentals of Supply Chain Management	4	4	-
IS 328	Human Resource Management	4	4	-
IS 337	Business Economics	4	4	-
IS 427	Technology Innovation and Entrepreneurship	4	4	-
Sub-Total		44		-

1.1.4 General Education Courses

Course Code	Course Title	Credit Hours	Lecture Hours
CC 251	Sophomore English	4	4
CC 351	Report Writing	4	4
CC 394	Civic and Ethical Education	4	4
CC 396	Introduction to Logic	4	4
CC 477	Educational Psychology	4	4
<i>Sub-Total</i>		<i>20</i>	

1.1.5 Summary of Credit Hours

Subject Area	Credit Hours	Percentage (%)
Subject Area Core Courses	90	67
Subject Area Electives Courses	40	
Required Supportive Courses	44	22.7
General Education Courses	20	10.3
Total	194	100

1.2 Course Schedule

1.2.1 Schedule for BSc in Information Systems Program

Year	Term I			Term II			Term III		
	Code	Title	Cr.	Code	Title	Cr.	Code	Title	Cr.
I	IS 117	Statistics and Probability	4	IS 127	Accounting Principles I	4	IS 137	Fundamental Concepts of Algebra	4
	CC 251	Sophomore English	4	CC 396	Introduction to Logic	4	IS 131	Systems analysis and Design	4
	IS 111	Computer Programming I	5	IS 121	Business Process Management	4	IS 132	Windows Programming	5
	IS 112	ICT Fundamentals	5	IS 122	Computer Programming II	5	IS 133	Database Technologies	5
	Total		18			17			18
II	IS 211	Organizational Behavior	4	IS 227	Research Methods	4	CC 351	Report Writing	4
	IS 212	Web Technologies	5	IS 221	Platform Technologies	5	IS 231	Information Systems Security	5
	CC 477	Educational Psychology	4	IS 222	E-Business Models	4	IS 237	Sales Management	4
	IS 217	Accounting Information Systems	4	IS 223	Object Oriented Programming	5		Elective 1	4/5
	Total		17			18			17/18
III	IS 311	IT Service Management	4	IS 327	Fundamentals of Supply Chain Management	4	IS 331	IT Auditing Fundamentals	4
	IS 317	Marketing Principles and IT	4	IS 328	Human Resource Management	4	IS 337	Business Economics	4
		Elective 2	4/5		Elective 4	4/5	IS 332	Enterprise Systems	5
		Elective 3	4/5		Elective 5	4/5		Elective 6	4/5
	Total		16/18			16/18			17/18
IV	IS 411	IT Project Management	4	IS 427	Technology Innovation and Entrepreneurship	4		Senior Project/Industry Practice	6
	IS 412	Knowledge Management	4	CC 394	Civic and Ethical Education	4			
	IS 413	Business Intelligence and Data Mining	4	IS 421	Information Systems Strategy and Management	4			
		Elective 7	4/5		Elective 8	4/5			
	Total		16/17			17/18			6