

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

FRESHMAN YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Course Number	Course Title	Credit Hours	Pre-requisite	Course Number	Course Title	Credit Hours	Pre-requisite
ALIS 1211	Introduction to Islamic culture	2		ALIS 1212	The Social System in Islam	2	
COMM 1311	Written Communication	3		COMM 1312	Writing and Research	3	COMM 1311
UNIV 1211	Prof. Development and Competencies	2		UNIV 1212	Critical Thinking and Problem Solving	2	
MATH 1311	Finite Math	3	PRFM 0012	MATH 1312	Calculus for Business	3	MATH 1311
ITAP 1311	Intro to IT	3		GEIT 1412	Computer Science II	4	GEIT 1411
GEIT 1411	Computer Science I	4		PHED 1112	Healthy Behaviors and Management	1	
PHED 1111	Active Living Lifestyle	1					
<b>Total Credit Hours</b>		<b>18</b>		<b>Total Credit Hours</b>		<b>15</b>	

SOPHOMORE YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Course Number	Course Title	Credit Hours	Pre-requisite	Course Number	Course Title	Credit Hours	Pre-requisite
ALIS 2211	Linguistic Communication Skills	2		ALIS 2212	The Biography of Prophet Mohammad	2	
UNIV 1213	Leadership and Teamwork	2		COMM 2312	Technical and Professional Communications	3	COMM 2311
ASSE 2111	Learning Outcome Assessment I	1	Sophomore Level	ITAP 2312	Web Programming	3	GEIT 1411
COMM 2311	Oral Communication	3	COMM 1312	GEIT 2291	Professional Ethics	2	
GEIT 2421	Data Structures	4	GEIT 1412	GEIT 2331	Mathematical Reasoning & Algorithmic Thinking	3	GEIT 1412
MATH 1313	Statistical Methods	3	PRFM 0012	ITAP 2431	Network Management	4	GEIT 1412
	Social Science Elective I*	3					
<b>Total Credit Hours</b>		<b>18</b>		<b>Total Credit Hours</b>		<b>17</b>	



JUNIOR YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Course Number	Course Title	Credit Hours	Pre-requisite	Course Number	Course Title	Credit Hours	Pre-requisite
ASSE 3211	Learning Outcome Assessment II	2	ASSE 2111	ITAP 3471	Web Server Administration	4	ITAP 2312 ITAP 3411
GEIT 3341	Database I	3	GEIT 1412	ITAP 3411	Systems Programming	4	GEIT 3331
ITAP 3431	Network Security	4	ITAP 2431	ITAP 3383	Enterprise Resource Planning Systems	3	GEIT 3341 GEIT 1412
	IT Elective I***	3		GEIT 3351	Principles of Software Engineering	3	GEIT 1412
GEIT 3331	Computer Organization	3	GEIT 1412	ITAP 3382	Business Intelligence	3	GEIT 3341
ITAP 3313	User Interface Development	3	GEIT 1412 ITAP 2312				
Total Credit Hours		18		Total Credit Hours		17	

SUMMER OF JUNIOR YEAR				
Course Number	Course Title	Credit Hours		Pre-requisite
GEIT 4361	Internship	3	8 weeks (320 hours) full time	End of Junior Year (summer before graduation) and department approval

SENIOR YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Course Number	Course Title	Credit Hours	Pre-requisite	Course Number	Course Title	Credit Hours	Pre-requisite
	Natural Science Elective I**	4			IT Elective III***	3	
ITAP 4371	e-Commerce	3	ITAP 2312		Social Science Elective II*	3	
	IT Elective II***	3		ITAP4316	Introduction to Project Management	3	GEIT3351
ASSE 4311 - IT	Learning Outcome Assessment III - IT	3	ASSE 3211 (Senior Level)		Natural Science Elective II**	4	
Total Credit Hours		13		Total Credit Hours		13	

**INFORMATION TECHNOLOGY PROGRAM TOTAL DEGREE CREDIT HOURS = 132**

Electives:

*Social Science Electives		**Natural Science Electives	
ECON1311	Intro. to Macroeconomics	BIOL1411	Introductory Biology
ECON1312	Intro. to Microeconomics	CHEM1411	Introductory Chemistry
GEGR1311	World Regional Geography	CHEM1421	Chemistry for Engineers I
HIST1311	World Civilizations	CHEM1422	Chemistry for Engineers II
PSYC1311	Intro. to Psychology	PHYS1411	Introductory Physics
FREN1311	Introduction to French Language		
SPAN1311	Intro. to Spanish Language		
SUST 1311	Introduction to Sustainability		



**\*\*\*IT Electives (Tracks)**

	Course Code	Course Title	Pre-requisite
<b>SOFTWARE DEVELOPMENT</b>	ITAP3315	Software Testing & Quality Assurance	GEIT3351
	ITAP4391	Reuse and Component-based Development	GEIT3351
	ITAP3371	Database II	GEIT3341
	ITAP4313	Advanced Visual Programming	ITAP3313, GEIT3341
<b>MOBILE/ WEB</b>	ITAP4313	Advanced Visual Programming	ITAP3313, GEIT3341
	ITAP3362	Mobile Applications Design and Development	ITAP2312, GEIT3341
	ITAP3363	Principles of Open Source & Enterprise Computing with JAVA	ITAP2312, GEIT3341
	ITAP4315	Cloud Computing	GEIT3331, ITAP2431
	ITAP4314	Multimedia Computing and Applications	ITAP2312

	Course Code	Course Title	Pre-requisite
<b>SECURITY</b>	ITAP4361	Operating Systems	ITAP3411
	ITAP4390	Information Security and Assurance	ITAP4361, ITAP3431
	ITAP4396	Computer and Network Forensics	ITAP4390, GEIT3331
	ITAP4376	Secure e-Commerce	GEIT3331, ITAP4371
<b>ADMIN</b>	ITAP4362	Network Administration	ITAP4361, ITAP2431
	ITAP4363	Systems Administration	ITAP4361, ITAP2431
	ITAP4367	Database Administration	ITAP4361, GEIT3341
	ITAP4364	Performance Analysis of Computer Networks	MATH1313, ITAP2431, ITAP3411
	ITAP4393	Special Topics	OVER 90 CR