

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					
Total Credit Hours		18		Total Credit Hours		15	

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	<i>Sophomore Level</i>	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					
Total Credit Hours		18		Total Credit Hours		17	

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			MIS/Business Elective ****	3	
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
SOFTWARE DEVELOPMENT	ITAP4316	Introduction to Software Project Management	GEIT3351
	ITAP3315	Software Testing & Quality Assurance	GEIT3351
	ITAP4391	Reuse and Component-based Development	GEIT3351
	ITAP3371	Database II	GEIT3341
	ITAP4313	Advanced Visual Programming	ITAP3313, GEIT3341
MOBILE/WEB	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
SECURITY	ITAP4361	Operating Systems	ITAP3411
	ITAP4390	Information Security and Assurance	ITAP4361, ITAP3431
	ITAP4396	Computer and Network Forensics	ITAP4390, GEIT3331
	ITAP4376	Secure e-Commerce	GEIT3331, ITAP4371
	ITAP4362	Network Administration	ITAP4361, ITAP2431
ADMIN	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

**** MIS/Business Electives: Any 4000 level courses