

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

FRESHMAN YEAR

FRESHMAN YEAR											
FIRST SEMESTER						SECOND SEMESTER					
Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite	Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			Lec	Lab					Lec	Lab	
ALIS 1211	Introduction to Islamic culture	2	2	0		ALIS 1212	The Social System in Islam	2	2	0	ALIS 1211
COMM 1311	Written Communication	3	3	0		COMM 1312	Writing and Research	3	3	0	COMM 1311
UNIV 1211	Prof. Development and Competencies	2	2	0		UNIV 1212	Critical Thinking and Problem Solving	2	2	0	UNIV 1211
MATH 1311	Finite Math	3	3	1	PRPM 0012/PRPM 0022	MATH 1312	Calculus for Business	3	3	1	MATH 1311
ITAP 1311	Intro to IT	3	3	0		GEIT 1412	Computer Science II	4	3	2	GEIT 1411
GEIT 1411	Computer Science I	4	3	2		PHED 1112	Healthy Behaviors and Management	1	1	0	PHED 1111
PHED 1111	Active Living Lifestyle	1	1	0							
Total Credit Hours		18				Total Credit Hours		15			

SOPHOMORE YEAR

SOPHOMORE YEAR											
FIRST SEMESTER						SECOND SEMESTER					
Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite	Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			Lec	Lab					Lec	Lab	
ALIS 2211	Linguistic Communication Skills	2	2	0	ALIS 1212	ALIS 2212	The Biography of Prophet Mohammad	2	2	0	ALIS 2211
UNIV 1213	Leadership and Teamwork	2	2	0	UNIV 1212	COMM 2312	Technical and Professional Communications	3	3	0	COMM 2311
ASSE 2111	Learning Outcome Assessment I	1	1	1	Sophomore Standing	ITAP 2312	Web Programming	3	2	2	GEIT 1411
COMM 2311	Oral Communication	3	3	0	COMM 1312	GEIT 2291	Professional Ethics	2	2	0	
GEIT 2421	Data Structures	4	3	2	GEIT 1412	GEIT 2331	Mathematical Reasoning & Algorithmic Thinking	3	3	0	GEIT 1412
MATH 1313	Statistical Methods	3	3	1	PRPM 0012/PRPM 0022	ITAP 2431	Network Management	4	3	3	GEIT 1412
	Social Science Elective I*	3			See from the list						
Total Credit Hours		18				Total Credit Hours		17			

JUNIOR YEAR

JUNIOR YEAR											
FIRST SEMESTER						SECOND SEMESTER					
Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite	Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			Lec	Lab					Lec	Lab	
ASSE 3211	Learning Outcome Assessment II	2	2	1	ASSE 2111 & Junior Standing	ITAP 3471	Web Server Administration	4	3	3	ITAP 2312 (P) ITAP 3411 (C)
GEIT 3341	Database I	3	2	2	GEIT 1412	ITAP 3411	Systems Programming	4	3	3	GEIT 3331
ITAP 3431	Network Security	4	3	3	ITAP 2431	ITAP 3383	Enterprise Resource Planning Systems	3	3	0	GEIT 3341 GEIT 1412
GEIT 3331	Computer Organization	3	3	0	GEIT 1412	GEIT 3351	Principles of Software Engineering	3	3	0	GEIT 1412
ITAP 3313	User Interface Development	3	3	0	GEIT 1412 ITAP 2312	ITAP 3382	Business Intelligence	3	3	0	GEIT 3341
	IT Elective I***	3			See from the list						
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	Contact Hours		Pre-requisite	Course Number	Course Title	Credit Hours	Contact Hour		Pre-requisite
			Lec	Lab					Lec	Lab	
ASSE 4311	Learning Outcome Assessment III - IT	3	3	0	ASSE 3211 & Senior Standing	ITAP 4316	Introduction to Project Management	3	3	0	GEIT 3351
ITAP 4371	e-Commerce	3	3	0	GEIT 3341 ITAP 2312		IT Elective III***	3			See from the list
	IT Elective II***	3			See from the list		Social Science Elective II*	3			See from the list
	Natural Science Elective I**	4			See from the list		Natural Science Elective II**	4			See from the list
Total Credit Hours		13				Total Credit Hours		13			

INFORMATION TECHNOLOGY PROGRAM TOTAL DEGREE CREDIT HOURS = 132

* Social Science Electives: 2 Courses = 6 Credit Hours			
Course Number	Course Title	Credit Hours	Pre-Requisites
FREN 1311	Introduction to French Language	3	
FURS 1311	Introduction to Futures Skills	3	
FUTR 1311	Introduction to Futures Studies	3	
GEGR 1311	World Regional Geography	3	
HIST 1311	World Civilizations	3	
PSYC 1311	Introduction to Psychology	3	
SERV 1311	Introduction to Service Learning and Volunteering	3	
SPAN 1311	Introduction to Spanish Language	3	
SUST 1311	Introduction to Sustainability	3	
SYST 1311	Introduction to Systems Thinking	3	
BSTW 1311	Behavioral Sciences in 3D World	3	
DANT 1311	Digital Anthropology	3	
ECON 1311	Introduction to Macroeconomics	3	
ECON 1312	Introduction to Microeconomics	3	

** Natural Science Electives: 2 Course = 8 Credit Hours					
Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
BIOL 1411	Introductory Biology	4	3	3	PRPM 0011
CHEM 1411	Introductory Chemistry	4	3	3	PRPM 0011
PHYS 1411	Introductory Physics	4	3	3	PRPM 0011

***** IT Electives (Tracks): 3 Courses = 9 Credit Hours**

SOFTWARE DEVELOPMENT

Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
ITAP 3315	Software Testing & Quality Assurance	3	3	0	GEIT 3351
ITAP 4391	Reuse and Component-based Development	3	3	0	GEIT 3351
ITAP 3371	Database II	3	2	2	GEIT 3341
ITAP 4313	Advanced Visual Programming	3	3	0	ITAP 3313 GEIT 3341

MOBILE/ WEB

Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
ITAP 4313	Advanced Visual Programming	3	3	0	ITAP 3313 GEIT 3341
ITAP 3362	Mobile Applications Design and Development	3	3	0	ITAP 2312 GEIT 3341
ITAP 3363	Principles of Open Source & Enterprise Computing with JAVA	3	3	0	ITAP 2312 GEIT 3341
ITAP 4315	Cloud Computing	3	3	0	GEIT 3331 ITAP 2431
ITAP 4314	Multimedia Computing and Applications	3	3	0	ITAP 2312

SECURITY

Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
ITAP 4361	Operating Systems	3	3	0	ITAP 3411
ITAP 4390	Information Security and Assurance	3	3	0	ITAP 4361 ITAP 3431
ITAP 4396	Computer and Network Forensics	3	3	0	ITAP 4390 GEIT 3331
ITAP 4376	Secure e-Commerce	3	3	0	GEIT 3331 ITAP 4371

ADMIN

Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
ITAP 4362	Network Administration	3	3	0	ITAP 4361 ITAP 2431
ITAP 4363	Systems Administration	3	3	0	ITAP 4361 ITAP 2431
ITAP 4367	Database Administration	3	3	0	ITAP 4361 GEIT 3341
ITAP 4364	Performance Analysis of Computer Networks	3	3	0	MATH 1313 ITAP 2431 ITAP 3411

SPECIAL TOPICS

Course Number	Course Title	Credit Hours	Contact Hours		Pre-requisite
			LEC	LAB	
ITAP 4393	Special Topics – I	3	3	0	Senior Standing & Department Approval
ITAP 4398	Special Topics – II	3	3	0	Senior Standing & Department Approval
ITAP 4399	Special Topics – III	3	3	0	Senior Standing & Department Approval