

Bachelor of Science Program in Information Technology Study Plan 126 Credits (including course offering plan)

(Applicable only to 571-xxxx students onward)

First Year, First Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
-	BG 1001	English I	3	○	○
-	CS 1201	Computer Programming I	3	○	○
-	DA 1121	Basic Mathematics and Statistics	3	○	○
-	IT 2130	Systems Science	3	●	●
-	IT 2231	Introduction to Information Technology	3	●	●
-	MGT 1101	Introduction to Business	3	○	○
Total			18		

First Year, Second Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
BG 1001	BG 1002	English II	3	○	○
DA 1121	DA 2103	Principles of Statistics	3	○	○
-	GE 2101	World Civilization	3	○	○
-	IT 1251	Business Systems	3	●	●
IT 2231	IT 2220	Computer Systems Concepts	3	●	●
CS 1201	IT 2230*	Information Structures	3	●	●
Total			18		

Second Year, First Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
BG 1002	BG 2000	English III	3	○	○
DA 1121	DA 2101	Calculus I	3	○	○
-	IT 2157	Human Computer Interaction	3	●	●
-	IT 2211*	Requirement Engineering	3	●	●
IT 2230	IT 3210*	Database Management Systems	3	●	●
IT 2231	IT 3253*	Data Communication and Networking	3	●	●
Total			18		

Second Year, Second Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
BG 2000	BG 2001	English IV	3	○	○
DA 2103	DA 2203	Probability and Statistical Methods	3	□	□
-	GE 2202	Ethics	3	○	○
IT 2231	IT 3231*	Information Systems Analysis	3	●	●
See Major Electives	One Major Elective Course from Group I		3		
See Major Electives	One Major Elective Course from Group II		3		
Total			18		

* Major Required Course: Students must get grade C or better. ○ will normally be offered by other programs. ● will normally be offered by BSIT program. □ will depend on other programs. ■ will be offered by BSIT until 2/2018.

Third Year, First Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
IT 2157	IT 3111	User Interface Design	3	●	●
IT 3231	IT 3232*	Information Systems Design	3	●	●
-	LA 4606	Intellectual Property Law	3		○
See Major Electives		One Major Elective Course from Group I	3		
See Major Electives		One Major Elective Course from Group II	3		
		One Free Elective Course	3		
		Total	18		

Third Year, Second Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
IT 3232	IT 4314*	Software Engineering Concepts	3	●	●
IT 3232	IT 4315*	Object Oriented Concept in Analysis and Design	3	●	●
See Major Electives		One Major Elective Course from Group I	3		
See Major Electives		One Major Elective Course from Group II	3		
		One Free Elective Course	3		
		Total	15		

Fourth Year, First Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
100 credits including IT3210, IT3232	IT 4291*	Senior Project I	3	●	●
80 credits	MT 4201	Social Interests, Government Policies and Technology	3	○	○
See Major Electives		Three Major Elective Courses from Group II	9		
		Total	15		

Fourth Year, Second Semester

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
IT 4291	IT 4292*	Senior Project II	3	●	●
See Major Electives		One Major Elective Course from Group II	3		
		Total	6		

* Major Required Course: Students must get grade C or better. ○ will normally be offered by other programs. ● will normally be offered by BSIT program. □ will depend on other programs. ■ will be offered by BSIT until 2/2018.

MAJOR ELECTIVES

GROUP I (Select at least 3 courses)

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
CS 1201	IT 2371	Object Oriented Programming I	3		●
CS 1201	IT 3351	Web Design and Development I	3	□	□
CS 1201	IT 3355	Mobile Applications Development	3	□	□
IT 2371	IT 3371	Object Oriented Programming II	3		
CS 1201	IT 3372	Visual Programming	3	●	
IT 3351	IT 4367	Web Design and Development II	3		

GROUP II (Select at least 7 courses)

Prerequisite	Course No.	Course Title	Credits	Sem. 1	Sem. 2
IT 3210	IT 3211	Information Storage and Retrieval	3	●	
IT 2231	IT 3230	Management Information Systems	3	●	
-	IT 3331	Organizational Behavior and Development	3		
-	IT 4141	Public Relations	3		
IT 2231	IT 4311	Introduction to Computer Graphics	3		
CS 1201	IT 4316	Image Processing	3		●
IT 4314	IT 4331	Software Testing	3		
IT 2231	IT 4340	Introduction to Information Resource Mgt.	3		
Senior Student	IT 4358	Expert Systems	3		
Senior Student	IT 4359	E-Commerce	3		●
IT 2231	IT 4360	Multimedia Applications	3		●
-	IT 4363	Information System Security and Auditing	3	●	
IT 3210	IT 4366	Advanced Data Management Systems	3		
Senior Student	IT 4405	ST. in IT Outsourcing	3	●	
Senior Student	IT 4408	ST. in Tech Startup	3	□	□
Senior Student	IT 4411	ST. in Knowledge Management	3		●
IT 2172	IT 4414	ST. in Mobile App. Development I (iOS)	3		
IT 2172	IT 4415	ST. in Mobile App. Development II (Android)	3		
Senior Student	IT 4416	ST. in Computer Simulation and Risk Analysis	3		●
IT 2172	IT 4417	ST. in Hybrid Mobile Development	3		
Senior Student	IT 4418	ST. in Data Mining	3	□	□
Senior Student	IT 4419	ST. in Intelligent Systems	3	□	□
IT 4357	IT 4420	ST. in User Interface Design	3	■	■
IT 2172	IT 4421	ST. in Cloud Computing and SW as a Service	3		
Senior Student	IT 4422	ST. in Seminar in Information Technology	3	□	□
Senior Student	IT 4423	ST. in Biometrics	3	□	□
Senior Student	IT 4431	ST. in Enterprise Resource Planning	3		
Senior Student	IT 4432	ST. in Requirement Engineering	3	■	■
Senior Student	IT 4433	ST. in Business Systems	3	■	■
Senior Student	IT 4434	ST. in ICT Project Management	3	□	□
Senior Student	IT 4435	ST. in Production and Project Mgt.	3	□	□

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