

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (effective SY 2018-2019)

Program of Study

First Year

SEM 1		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
COMSCI 1100	IT Fundamentals	2/1
COMSCI 1101	Computer Programming 1	2/1
INTECH 1100	Discrete Mathematics	3
MATH 1100	Mathematics in the Modern World	3
PSYCH 1100	Understanding the Self	3
SOCSCI 1110	Ethics	3
PE 1100	Foundation of Physical Fitness	2
NSTP 1	Basic Army Science/Civic Welfare Training Service	3
TOTAL		23

SEM 2		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
COMSCI 1200	Computer Programming 2 (Prereq: ComSci 1101)	2/1
COMSCI 1201	Data Structures and Algorithm (Prereq: ComSci 1101, Intech 1100)	3
COMSCI 1210	Computer Organization (Prereq: ComSci 1100)	2/1
INTECH 1200	IT Professional Ethics	3
SOCSCI 1100	Reading in Philippine History	3
COMM	Purposive Communication	3
PE 1105	Rhythmic Activities (Prereq: PE 1100)	2
NSTP 2	Reserved Officer Training/ Civic Welfare Training Service (Prereq: NSTP 1100)	3
TOTAL		23

Second Year

SEM 1		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
COMSCI 2100	Fundamentals of Database Management System (Prereq: ComSci 1201)	2/1
COMSCI 2101	Operating System (Prereq: ComSci 1210)	3
COMSCI 2110	Object Oriented Programming (Prereq: ComSci 1200)	2/1
INTECH 2100	Web Design and Multi media (Prereq: ComSci 1100)	2/1
ARTS 1100	Art Appreciation	3
ENGL 3125	Technical Writing	3
PE 2110	Individual and Dual Sports (Prereq: PE 1105)	2
FILKOM 1100	Kontekstwalisadong Komunikasyon sa Filipino	3
TOTAL		23

SEM 2		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
COMSCI 2200	Advance Database Management System (Prereq: ComSci 2100)	2/1
COMSCI 2201	Systems Analysis and Design (Prereq: ComSci 2100, ENGL 3125)	3
INTECH 2200	Data Communication and Computer Networks (Prereq: ComSci 2101)	2/1
INTECH 2201	Web Applications Development (Prereq: Intech 2100)	2/1
SOCSCI 1105	The Contemporary World	3
ENSCI 1100	Science and Technology	3
PE 2115	Team Sports (Prereq: PE 2110)	2
FILDIS 1105	Filipino sa Iba't Ibang Disiplina (Prereq: FILKOM 1100)	3
TOTAL		23

Third Year

SEM 1		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
INTECH 3100	Fundamentals of Information and Network Security (Prereq: Intech 2200, Intech 1200)	3
INTECH 3101	Human Computer Interaction	3
INTECH 3110	Computer Networks (Prereq: Intech 2200)	2/1
INTECH 3111	Integrative Programming and Technologies 1 (Prereq: Intech 2201)	2/1
STAT 3206	Quantitative Methods	3
COMSCI 3100	Software Engineering (Prereq: ComSci 2201, ComSci 2110)	2/1
PHILI 1100	Life, Works and Writings of Dr. Jose Rizal	3
FILSOS 1115	Sinesosyedad/Pelikulang Panlipunan	3
TOTAL		24

SEM 2		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
ITCAP 3200	IT Capstone Project 1 (Prereq: ComSci 3100, Intech 3110)	3
INTECH 3200	Systems Administration and Maintenance (Prereq: Intech 3100)	2/1
INTECH 3201	Integrative Programming and Technologies 2 (Prereq: IT 3111)	2/1
	IT Elective 1 (Prereq: Junior Standing)	3
	IT elective 2 (Prereq: Junior Standing)	3
TOTAL		15

Fourth Year

SEM 1		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
ITCAP 4100	IT Capstone Project 2 (Prereq: ITCAP 3200)	3
INTECH 4100	Technopreneurship	3
	IT Elective 3 (Prereq: Senior Standing)	3
	IT Elective 3(Prereq: Senior Standing)	3
TOTAL		12

SEM 2		
CAT NO	DESCRIPTIVE TITLE (Prereq/Coreq)	Units
ITPRAC 4200	On-the-Job Training (Prereq: All Academic Units)	9
TOTAL		9

LIST OF IT ELECTIVES	
SYSTEMS DEVELOPMENT	NETWORKING
1 ITELEC 3200 - Cloud Computing Technologies	1 ITELEC 3200 - Cloud Computing Technologies
2 ITELEC 3202 - Artificial Intelligence and Expert Systems	2 ITELEC 3204 - Data Warehousing and Data Mining
3 ITELEC 3204 - Data Warehousing and Data Mining	3 ITELEC 3205 - Windows Enterprise Administration
4 ITELEC 3206 Systems Acquisition, Integration and Implementation	4 ITELEC 3207 - Internet of Things
5 ITELEC 3208 - Data Scalability and Analytics	5 ITELEC 4101 - Linux System Administration
6 ITELEC 4100 - Advance Web Development	6 ITELEC 4103 - Virtual Systems and Services
7 ITELEC 4102 - Artificial Intelligence and Expert Systems II	7 ITELEC 4105 - Internet of Things II