


TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
Quezon City
2018 CURRICULUM FOR BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)

IMPORTANT: Registration in any course/s without all the pre-requisite/s, correct sequence and authorized load shall not be given any credit regardless of the grade/s obtained.

NAME : _____ STUDENT NO : _____

COURSE CODE		DESCRIPTIVE TITLE	LEC HOURS	LAB HOURS	CREDIT UNITS	PRE-REQUISITE(S)/CO-REQUISITE(S)
FIRST YEAR, FIRST SEMESTER (17 UNITS)						
GEC	002	Readings in Philippine History	3	0	3	
GEC	004	Mathematics in the Modern World	3	0	3	
ITE	011	Introduction to Computing	2	3	3	
ITE	001	Computer Programming 1	2	3	3	
MATH	013A	Linear Algebra	3	0	3	
PE	001	Physical Education 1	2	0	2	
NSTP	001	National Service Training Program 1	(3)	0	(3)	
TOTAL			15	6	17	
FIRST YEAR, SECOND SEMESTER (20 UNITS)						
GEC	001	Understanding the Self	3	0	3	
GEC	005	Purposive Communication	3	0	3	
GEC	006	Art Appreciation	3	0	3	
MATH	006	Discrete Mathematics	3	0	3	
ITE	012	Computer Programming 2	2	3	3	ITE 001(P)
ITE	010	Introduction to Human Computer Interaction	2	3	3	ITE 001(P)
PE	002	Physical Education 2	2	0	2	PE 001(P)
NSTP	002	National Service Training Program 2	(3)	0	(3)	NSTP 001(P)
TOTAL			18	6	20	
SECOND YEAR, FIRST SEMESTER (20 UNITS)						
CS	201	Data Structures and Algorithms	2	3	3	ITE 012(P)
IT	004	Web Systems and Technologies	2	3	3	
BIO	001	Modern Biology	2	3	3	
GEC	007	Science, Technology, and Society	3	0	3	
PE	003	Physical Education 3	2	0	2	PE 002(P)
IE	301B	Applied Statistics	2	3	3	MATH 013A(P)
FELEC	001	Prof. Elective 1	2	3	3	See track for pre-requisite(s)
TOTAL			15	15	20	
SECOND YEAR, SECOND SEMESTER (23 UNITS)						
SOCSC	005	Life and Works of Rizal	3	0	3	
GEC	003	The Contemporary World	3	0	3	
ITE	014	Information Management	2	3	3	ITE 012(P)
CHEM	001D	Chemistry	2	3	3	
PE	004	Physical Education 4	2	0	2	PE 003(P)
GEC	008	Ethics	3	0	3	
IT	012	Platform Technologies	2	3	3	ITE 012(P)
FELEC	002	Prof. Elective 2	2	3	3	FELEC 001(P), See track for pre-requisite(s)
TOTAL			19	12	23	
THIRD YEAR, FIRST SEMESTER (24 UNITS)						
IT	005	Integrative Programming and Technologies	2	3	3	IT 004(P)
MATH	304	Quantitative Methods (Including Modeling and Simulation)	2	3	3	IE 301B(P) MATH 006(P)
IT	006	Networking 1	2	3	3	IT 004(P)
IT	003	Advanced Database Systems	2	3	3	ITE 014(P)
TECH	101	Technopreneurship	3	0	3	
IT	009	Systems Integration and Architecture 1	2	3	3	IT 004(P)
GEE	001	General Education Elective 1	3	0	3	



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ITELEC	001	IT Elective 1	2	3	3	See track for pre-requisite(s)
TOTAL			18	18	24	
THIRD YEAR, SECOND SEMESTER (24 UNITS)						
IT	401	Data Mining and Warehousing	2	3	3	IE 301B(P) ITE 014(P)
CS	409	Mobile Computing	2	3	3	ITE 010(P)
IT	001	Information Assurance and Security 1	2	3	3	IT 009(P)
ITE	013	Application Development and Emerging Technologies	2	3	3	IT 003(P)
IT	007	Networking 2	2	3	3	IT 006(P)
GEE	002	General Education Elective 2	3	0	3	
FELEC	003	Prof. Elective 3	2	3	3	FELEC 002(P), See track for pre-requisite(s)
ITELEC	002	IT Elective 2	2	3	3	ITELEC 001(P), See track for pre-requisite(s)
TOTAL			17	21	24	
THIRD YEAR, SUMMER (9 UNITS)						
IT	030	Data Analytics	2	3	3	IT 401(P)
IT	304	Capstone Project 1	2	3	3	IT 001(P) ITE 013(P)
ITELEC	003	IT Elective 3	2	3	3	ITELEC 002(P), See track for pre-requisite(s)
TOTAL			6	9	9	
NO STUDENT SHALL BE ALLOWED TO TAKE FOURTH YEAR PROFESSIONAL COURSES UNLESS HE HAS COMPLETED THE BASIC AND THE THIRD YEAR COURSES INCLUDING PE AND NSTP COURSES.						
FOURTH YEAR, FIRST SEMESTER (21 UNITS)						
ITE	015	Social and Professional Issues	3	0	3	4th Year Standing
IT	008	Systems Administration and Maintenance	2	3	3	IT 001(P)
IT	002	Information Assurance and Security 2	2	3	3	IT 001(P)
IT	010	Systems Integration and Architecture 2	2	3	3	IT 009(P)
GEE	003	General Education Elective 3	3	0	3	
FELEC	004	Prof. Elective 4	2	3	3	FELEC 003(P), See track for pre-requisite(s)
ITELEC	004	IT Elective 4	2	3	3	ITELEC 003(P), See track for pre-requisite(s)
TOTAL			16	15	21	
FOURTH YEAR, SECOND SEMESTER (9 UNITS)						
IT	402	Internship in Computing	0	18	6	4th Year Standing
IT	400	Capstone Project 2	0	9	3	IT 304(P)
TOTAL			0	27	9	
FREE ELECTIVE COURSES						
ITE	503	Current Trends and Issues in Computing	3	0	3	
IT	016	Event Driven Programming	2	3	3	CS 201(P)
ELF	423	Spanish	2	3	3	
ELF	413	Mandarin	2	3	3	
IT	015	Introduction to Game Development	2	3	3	ITE 010(P)
SAD	003	Systems Analysis and Design	2	3	3	
IT	014	Human Computer Interaction 2	2	3	3	ITE 010(P)
IT	011	Integrative Programming Technologies 2	2	3	3	IT 005(P)
IT	013	Web Systems and Technologies 2	2	3	3	IT 004(P)
CS	002	Object Oriented Programming	2	3	3	ITE 012(P)
ITE	404	Introduction to Data Science in Python	2	3	3	IE 301B(P)
SAP	501	Business Analytics Using SAP Business Warehousing	2	3	3	IT 030(P)
ITE	405	Applied Plotting, Charting, and Data Representation	2	3	3	ITE 404(P)
ITE	406	Applied Text Mining and Applied Social Network Analysis	2	3	3	ITE 405(P)
TOTAL			29	39	42	
ELECTIVE COURSES						



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TRACK 1: ANIMATION AND MOBILE APP DEVELOPMENT							
IT	017	3D Modelling, Texturing, Rendering and Lighting	2	3	3	3rd Year Standing	
IT	018	3D Animation and Special Effects	2	3	3	IT 017(P)	
IT	019	3D Production and Compositing	2	3	3	IT 018(P)	
IT	020	Mobile Development Integration	2	3	3	IT 019(P)	
TOTAL			8	12	12		
TRACK 2: CYBER SECURITY							
IT	021	Usable Security	2	3	3	3rd Year Standing	
IT	022	Threat Detection Analysis	2	3	3	IT 021(P)	
IT	023	Ethical Hacking and Penetration Testing	2	3	3	IT 022(P)	
IT	024	Cyber Threat Modeling	2	3	3	IT 023(P)	
TOTAL			8	12	12		
TRACK 3: DIGITAL ARTS AND DESIGN							
IT	025	Digital Photography	2	3	3	3rd Year Standing	
IT	026	Digital Effects	2	3	3	IT 025(P)	
IT	027	Digital Visual Narrative	2	3	3	IT 026(P)	
IT	028	Visual Communication	2	3	3	IT 027(P)	
TOTAL			8	12	12		

CREDENTIALS PRESENTED:

- () F137A () NSO Birth Certificate
- () F138 () HD
- () GMC () TOR

DEFICIENCY/IES:

Evaluated By: _____

Date: _____

Received By: _____

Date: _____

LEGEND

P = Pre-requisite

C = Co-requisite

NOTE: EVALUATION IS TENTATIVE AND MAY BE REVISED FOR SOME VALID CAUSES OR REASONS OR IF OMISSIONS AND/OR LACK OF UNITS CREDITED BE DISCOVERED LATER.