TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
Manila

RE18 CURRICULUM FOR BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)

IMPORTANT : REGISTRATION IN ANY COURSE WITHOUT ALL THE PREREQUISITES, CORRECT SEQUENCE AND AUTHORIZED LOAD SHALL NOT BE GIVEN ANY CREDIT REGARDLESS OF THE GRADE OBTAINED.
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.

Student's Name and Signature

COURSE CODE		DESCRIPTIVE TITLE	Lecture Hours	Laboratory Hours	Credit Units	PREREQUISITE(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	
CITE	001	Introduction to Computing	2	3	3	
CITE	002	Computer Programming 1	2	3	3	
MATH	022	Linear Algebra	3	0	3	
PE	101	Physical Education 1	2	0	2	
NSTP	001	National Service Training Program 1	(3)	0	(3)	
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	025	Discrete Mathematics	3	0	3	
CITE	003	Computer Programming 2	2	3	3	CITE 002
CITE	012	Introduction to Human Computer Interaction	2	3	3	CITE 002
PE	102	Physical Education 2	2	0	2	PE 101
NSTP	002	National Service Training Program 2	(3)	0	(3)	NSTP 001
SECOND YEAR, FIRST SEMESTER (23 UNITS)						
CITE	004	Data Structures and Algorithm	2	3	3	CITE 003
PELEC	001	Prof. Elective 1	2	3	3	
CIT	202	Web Systems and Technologies	2	3	3	CITE 003, CITE 012
CIT	201	Systems Analysis and Design	2	3	3	CITE 003, CITE 012
BIO	001A	Modern Biology	2	3	3	
GEC	008	Ethics	3	0	3	
GEC	007	Science, Technology and Society	3	0	3	
PE	201	Physical Education 3	2	0	2	PE 102
SECOND YEAR, SECOND SEMESTER (23 UNITS)						
GEM	001	Life and Works of Rizal	3	0	3	
GEC	003	The Contemporary World	3	0	3	
MATH	028	Applied Statistics	2	3	3	MATH 022
CITE	005A	Information Management	2	3	3	CITE 003, CITE 004
PELEC	002	Prof. Elective 2	2	3	3	
CIT	203	Platform Technologies	2	3	3	CITE 004
CHM	001A	Chemistry	2	3	3	
PE	202	Physical Education 4	2	0	2	PE 201
THIRD YEAR, FIRST SEMESTER (24 UNITS)						
GEE	001B	GE Elective 1 - Gender and Society	3	0	3	
ITELEC	001	IT Elective 1	2	3	3	
CIT	301	Integrative Programming and Technologies	2	3	3	CIT 202, CITE 005A
CIT	302	Quantitative Methods (incl Modeling and Simulation)	2	3	3	MATH 025, MATH 028
CIT	303	Networking 1	2	3	3	CIT 202, CIT 203
CIT	304	Advanced Database Systems	2	3	3	CITE 005A
CITE	009	Technopreneurship	3	0	3	3rd year standing
CIT	305	Systems Integration and Architecture 1	2	3	3	CIT 202, CIT 303(C)
THIRD YEAR, SECOND SEMESTER (24 UNITS)						
GEE	002B	GE Elective 2 - Living in the IT Era	3	0	3	GEE 001B
CIS	202	Data Mining and Warehousing	2	3	3	MATH 028, CIT 304
CIT	306	Mobile Computing	2	3	3	CITE 003, CIT 304
PELEC	003	Prof. Elective 3	2	3	3	
ITELEC	002	IT Elective 2	2	3	3	ITELEC 001
CITE	007A	Information Assurance and Security 1	2	3	3	CIT 304
CITE	006	Application Development and Emerging Technologies	2	3	3	CITE 005A
CIT	307	Networking 2	2	3	3	CIT 303

COURSE CODE		DESCRIPTIVE TITLE	Lecture Hours	Laboratory Hours	Credit Units	PREREQUISITE(S)
**THIRD YEAR, SUMMER (9 UNITS)**						
CIT	308	Capstone 1	2	3	3	CITE 006, CITE 007A
CIT	309	IT Project Management	2	3	3	CITE 006
CIT	310	Information Assurance and Security 2	2	3	3	CITE 007A

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.

COURSE CODE		DESCRIPTIVE TITLE	Lecture Hours	Laboratory Hours	Credit Units	PREREQUISITE(S)
**FOURTH YEAR, FIRST SEMESTER (18 UNITS)**						
GEE	004	GE Elective 3 - Great Books	3	0	3	GEE 002B
PELEC	004	Prof. Elective 4	2	3	3	
ITELEC	003	IT Elective 3	2	3	3	ITELEC 002
CIT	400	Capstone 2	0	9	3	CIT 308
CITE	008	Social Issues and Professional Practice	3	0	3	3rd year standing
CIT	401	Systems Administration and Maintenance	2	3	3	CIT 310
**FOURTH YEAR, SECOND SEMESTER (12 UNITS)**						
CIT	402	Internship in Computing	0	18	6	Graduating
ITELEC	004	IT Elective 4	2	3	3	ITELEC 003
CIT	403	Systems Integration and Architecture 2	2	3	3	CIT 307, CIT 305, CIT 401

IT ELECTIVE COURSES: (12 UNITS)

NOTE: A study may choose any of the track electives below and once a track elective is chosen, all courses in the track must be taken.

TRACK ELECTIVE 1: Animation and Mobile Application Development

CAM	401	3D Modelling, Texturing, Rendering and Lighting	2	3	3	3rd year standing
CAM	402	3D Animation and Special Effects	2	3	3	CAM 401
CAM	403	3D Post Production and Compositing	2	3	3	CAM 402
CAM	404	Mobile Development Integration	2	3	3	CAM 403

TRACK ELECTIVE 2: Cyber Security

CBS	401A	Network Security	2	3	3	3rd year standing
CBS	402A	Data and Application Security	2	3	3	CBS 401A
CBS	403	Ethical Hacking and Penetration Testing	2	3	3	CBS 402A
CBS	404A	Cyber Threat Analysis and Modelling	2	3	3	CBS 403

TRACK ELECTIVE 3: Analytics

CIT	401A	Fundamentals of Bus Analytics	2	3	3	3rd year standing
CIT	402A	Analytics, Techniques and Tools	2	3	3	CIT 401A
CIT	403A	Fundamentals of Predictive Analytics	2	3	3	CIT 402A
CIT	404A	Fundamentals of Prescriptive Analytics	2	3	3	CIT 403A

PROF. ELECTIVE COURSES: (12 UNITS)

CIT	503	Current Trends and Issues in Computing	3	0	3	
CIT	504	SAP / SAS	2	3	3	CIT 309
CIT	505	Event Driven Programming	2	3	3	CITE 004
FLE	213	Spanish	2	3	3	
FLE	313	Mandarin	2	3	3	
CIT	506	Introduction to Game Development	2	3	3	CITE 012
CIT	508	Object-Oriented Programming	2	3	3	CITE 003
CIT	509	Human Computer Interaction 2	2	3	3	CITE 012
CIT	510	Integrative Programming and Technologies 2	2	3	3	CIT 301
CIT	511	Web Systems and Technologies 2	2	3	3	CIT 202

TOTAL NO. OF UNITS 170

CREDENTIALS SUBMITTED:

( ) F138 ( ) PSA Birth Certificate
( ) GMC ( ) Transfer Credential
( ) F137A ( ) TOR

DEFICIENCY/IES

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Evaluated by: _____
Date: _____

Received by: _____
Date: _____