

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**  
(Proposed Curriculum effective SY 2010-2011)

**FIRST YEAR**

**First Semester**

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE111	IT/CS Fundamentals	4	3	1	None	None	6
ITE112	Programming 1 w/ Art & Style in Prog.	3	2	1	None	None	5
Math1	College Algebra	3	3	0	None	None	3
Eng1	Study & Thinking Skills in English	3	3	0	None	None	3
His1	Philippine History & Culture	3	3	0	None	None	3
PS1	Philippine Constitution & Government	3	3	0	None	None	3
PE1	Physical Fitness	2	2	0	None	None	2
<b>TOTAL</b>		<b>21</b>	<b>19</b>	<b>2</b>			<b>25</b>

**Second Semester**

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE122	Programming 2	3	2	1	None	ITE112	5
Math2	Trigonometry	3	3	0	None	MATH1	3
Eng2	Writing in the Discipline	3	3	0	None	ENG1	3
Fil1	Sining ng Pakikipagtalastasan	3	3	0	None	ENG1	3
Eco1	Principles of Economics w/ Land Reform & Taxation	3	3	0	None	None	3
Phi1	Logic	3	3	0	None	None	3
PE2	Rhythmic Activities	2	2		None	PE1	2
NSTP1	National Service Training Program I	(3)	3	0	None	None	3
RE1	Outline to Salvation History	(3)	3	0	None	None	3
<b>TOTAL</b>		<b>20(6)</b>	<b>22</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>28</b>

**SECOND YEAR**

**First Semester**

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE211	Computer Organization & Assembly Language	3	2	1	None	ITE122	5
ITE212	Object Oriented Programming	3	2	1	None	ITE122	5
CSMath5	Analytic Geometry & Intro. To Calculus	3	3	0	None	Math2	3
CSAC1	Accounting Principles	3	3	0	None	None	3
Eng2a	Speech and Oral Communications	3	3	0	None	Eng2	3
Fil2	Pagbasa at Pagsulat ng ibat-ibang Disiplina	3	3	0	None	FIL1	3
Phy1	General Physics 1	4	3	1	None	None	6
NSTP2	National Service Training Program II	(3)	3			NSTP1	3
<b>TOTAL</b>		<b>22(3)</b>	<b>22</b>	<b>3</b>			<b>31</b>

**Second Semester**

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE221	Database Systems/Database Management Systems	3	2	1	None	ITE122	5
ITE222	Operating Systems & Applications	3	3	0	None	ITE211	3
ITE223	Network Principles and Programming/Network Management	3	2	1	None	ITE211	5
CSMath1	Discrete Structures/Mathematics	3	3	0	None	MATH1	3
Phy2	General Physics 2	4	3	1	None	PHY1	6
Eng10	Philippine Literature	3	3	0	None	None	3
PE3	Individual/Dual Sports & Games	2	2			PE2	2
RE2	Cristology	(3)	3	0	None	RE1	3
<b>TOTAL</b>		<b>21(3)</b>	<b>18</b>	<b>3</b>			<b>30</b>

## THIRD YEAR

### First Semester

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE311	Web Programming/Web Development	3	2	1	None	ITE221	5
ITE312	Systems Analysis and Design	3	2	1	None	MATH2	5
ITE313	Database Management Systems 2	3	2	1	None	ITE221	5
	IT Elective 1	3	2	1	None	3rd Yr	5
Psy1	Gen. Psychology w/ Drug Education	3	3	0	None	None	3
SS5	Intro. To Arts & Humanities	3	3	0	None	None	3
PE4	Team Sports and Games	2	2		None	PE3	2
<b>TOTAL</b>		<b>20</b>	<b>14</b>	<b>4</b>			<b>28</b>

### Second Semester

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITE321	Software Engineering	3	2	1	None	ITE312	5
ITE322	Multimedia Systems	3	2	1	None	ITE311	5
ITE323	Professional Ethics	3	3	0	None	ITE111	3
	IT Elective 2	3	2	1	None	None	5
	Free Elective 1	3	3	0	None	None	3
Math4c	Probability and Statistics	3	3	0	None	MATH2	3
PS3	Rizal's Life Works & Writing	3	3	0	None	None	3
RE3	Ecclesiology & Sacraments	(3)	3	0	None	RE2	3
<b>TOTAL</b>		<b>21(3)</b>	<b>12</b>	<b>3</b>			<b>30</b>

## FOURTH YEAR

### First Semester

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
ITOJT	Internship/OJT/Practicum	9	0	9	Standing	4th year	27
IT300	Capstone Project 1 (Proposal)	1	1	0	Standing	4th year	1
<b>TOTAL</b>		<b>9</b>	<b>0</b>	<b>9</b>			<b>28</b>

### Second Semester

COURSE CODE	DESCRIPTIVE TITLE	TOTAL UNITS	LEC UNITS	LAB UNITS	Co-REQ	Pre-REQ.	TOTAL HRS/WK
IT400	Capstone Project (Technopreneurship)	3	3	0	4th yr	ITE313	3
	IT Elective 3	3	2	1	None	None	5
	IT Elective 4	3	2	1	None	None	5
	Free Elective 2	3	3	0	None	None	3
	Free Elective 3	3	3	0	None	None	3
SS3	Family & Community Rels. Including Family Planning	3	3	0	None	None	3
RE4	Basic Christian Morality	(3)	3	0	None	RE3	3
<b>TOTAL</b>		<b>18(3)</b>	<b>19</b>	<b>2</b>			<b>25</b>

**Note:** Graduating students are required to attend certification reviews (PhilNITS, NCC)

#### IT Electives:

ITE100	Mobile Applications and Programming
IT101	Software Integration, Testing and Documentation
ITE200	Computer Graphics
ITE300	Management Information System w/ Applications

#### Free Electives:

IT102	Quality Consciousness, Habit & Processes w/ ISO
ITE400	Seminars and Fieldtrips on the current trends of technology
IT103	E-Commerce
ITE500	Technical Writing & Presentation Skills in IT
ITE600	Foreign Language (Neponggo, Mandarin)