

**Bachelor of Science in Information Technology**

AY 2008 - 2009

**FIRST YEAR – FIRST TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS100	INTRODUCTION TO COMPUTER SYSTEMS	3.0
ENG011	ENGLISH FOR ACADEMIC STUDIES 1	2.0
FIL011	FILIPINO 1	2.0
IT011L	I.T. FUNDAMENTALS 1 (LAB)	1.0
MATH010	INTERMEDIATE ALGEBRA	3.0
PE021	PHYSICAL EDUCATION 1	(1.5)
VE011	VALUES EDUCATION 1	(1.0)
		<b>11.0</b>

**FIRST YEAR – SECOND TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS101P-1	LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 1 (PAIRED)	3.0
ENG012	ENGLISH FOR ACADEMIC STUDIES 2	2.0
FIL012	FILIPINO 2	2.0
IT012L	I.T. FUNDAMENTALS 2 (LAB)	1.0
MATH011	ALGEBRA	3.0
	HUMANITIES 1	3.0
PE022	PHYSICAL EDUCATION 2	(1.5)
		<b>14.0</b>

**FIRST YEAR – THIRD TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
CHM015	GENERAL CHEMISTRY	3.0
CS101P-2	LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 2 (PAIRED)	3.0
ENG013	ENGLISH FOR ACADEMIC STUDIES 3	2.0
FIL013	FILIPINO 3	2.0
IT013L	I.T. FUNDAMENTALS 3 (LAB)	1.0
MATH012	PLANE AND SPHERICAL TRIGONOMETRY	3.0
PE023	PHYSICAL EDUCATION 3	(1.5)
		<b>14.0</b>

**SECOND YEAR – FIRST TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS102	DATA STRUCTURES AND FILE ORGANIZATION	3.0
IT111P	OOP 1 - CONCEPTS IN OBJECT ORIENTED PROGRAMMING (PAIRED)	3.0
MATH013	ANALYTIC GEOMETRY	3.0
PHY015	GENERAL PHYSICS	3.0
	HUMANITIES 2	3.0
PE024	PHYSICAL EDUCATION 4	(1.5)
		<b>15.0</b>

**SECOND YEAR – SECOND TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
BIO011	GENERAL BIOLOGY	3.0
CS103	SYSTEMS ANALYSIS AND DESIGN 1	3.0
IT112P-1	OOP 2 - PROGRAMMING WITH WINDOWS FORMS 1 (PAIRED)	3.0

MATH014	SOLID MENSURATION	2.0
	SOCIAL SCIENCE 1	3.0
PE025	PHYSICAL EDUCATION 5	(1.5)
VE012	VALUES EDUCATION 2	(1.0)
		<b>14.0</b>

**SECOND YEAR – THIRD TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS104	SYSTEMS ANALYSIS AND DESIGN 2	3.0
CS105P	INTRODUCTION TO RELATIONAL DATA BASE MANAGEMENT (PAIRED)	3.0
IT112P-2	OOP 2 - PROGRAMMING WITH WINDOWS FORMS 2 (PAIRED)	3.0
MATH021	CALCULUS 1	3.0
PE026	PHYSICAL EDUCATION 6	(1.5)
		<b>12.0</b>

**SECOND YEAR – SUMMER TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
	SOCIAL SCIENCE 2	3.0
	SOCIAL SCIENCE 3	3.0
	SOCIAL SCIENCE 4	3.0
		<b>9.0</b>

**THIRD YEAR – FIRST TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
COE132P	COMPUTER ORGANIZATION AND ARCHITECTURE (PAIRED)	3.0
ENG014	ENGLISH FOR THE WORKPLACE 1	3.0
IT113P	OOP 3 - REUSABILITY OF CODES AND LIBRARIES, WEB SERVICES, AND LOAD BALANCING (PAIRED)	3.0
IT126L	SCIENCE APPLICATION PROGRAMMING (LAB)	1.0
MATH140	DISCRETE MATHEMATICS	3.0
NSTP011	NATIONAL SERVICE TRAINING PGM 1	(2.0)
		<b>13.0</b>

**THIRD YEAR – SECOND TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
ACT101-3	PRINCIPLES OF ACCOUNTING	3.0
IT114P	OOP 4 - PROGRAMMING USING ACTIVE DATA OBJECTS (PAIRED)	3.0
IT130	DATA COMMUNICATIONS AND INTRODUCTION TO NETWORKING TECHNOLOGIES	3.0
IT150P	MULTIMEDIA SYSTEMS	3.0
	IT SPECIALIZATION ELECTIVE 1	3.0
NSTP012	NATIONAL SERVICE TRAINING PGM 2	(2.0)
VE013	VALUES EDUCATION 3	(1.0)
		<b>15.0</b>

**THIRD YEAR – THIRD TERM**

COURSE CODE	COURSE TITLE	CREDIT UNITS
COE151P	OPERATING SYSTEMS APPLICATIONS (PAIRED)	3.0
ENG015	ENGLISH FOR THE WORKPLACE 2	3.0
IT115P	OOP 5 - PROGRAMMING USING WEB (PAIRED)	3.0
	IT SPECIALIZATION ELECTIVE 2	3.0
	CS/IT FREE ELECTIVE 1	3.0
NSTP013	NATIONAL SERVICE TRAINING PGM 3	(2.0)
		<b>15.0</b>

### THIRD YEAR – SUMMER TERM

COURSE CODE	COURSE TITLE	CREDIT UNITS
IT199R-1	I.T. PRACTICUM 1	3.0
		<b>3.0</b>

### FOURTH YEAR – FIRST TERM

COURSE CODE	COURSE TITLE	CREDIT UNITS
IT199R-2	I.T. PRACTICUM 2	6.0
		<b>6.0</b>

### FOURTH YEAR – SECOND TERM

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS150P	SOFTWARE ENGINEERING (PAIRED)	3.0
MATH110	PROBABILITY AND STATISTICS	3.0
	IT SPECIALIZATION ELECTIVE 3	3.0
	CS/IT FREE ELECTIVE 2	3.0
	SOCIAL SCIENCE 5	3.0
VE014	VALUES EDUCATION 4	(1.0)
		<b>15.0</b>

### FOURTH YEAR – THIRD TERM

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS198L	COMPREHENSIVE EXAMINATION MODULE (LAB)	(1.0)
IT180F	I.T. FIELD TRIP (FLD)	1.0
IT181	ETHICS AND I.T. LAWS	3.0
IT200R	I.T. PROJECTS (CAPSTONE PROJECT)	3.0
	IT SPECIALIZATION ELECTIVE 4	3.0
		<b>10.0</b>

### *Elective Courses for the College of Information Technology*

### CS/IT SPECIALIZATION ELECTIVES (12 UNITS REQUIRED)

#### JAVA PROGRAMMING TRACK

COURSE CODE	COURSE TITLE	CREDIT UNITS
CS131P	JAVA 1 – INTRODUCTION TO JAVA PROGRAMMING	3.0
CS132P	JAVA 2 – JAVA PROGRAMMING USING FORMS	3.0
CS133P	JAVA 3 – JAVA APPLETS	3.0
CS134P	JAVA 4 – ADVANCED JAVA PROGRAMMING	3.0

#### NETWORK ADMINISTRATION TRACK

COURSE CODE	COURSE TITLE	CREDIT UNITS
IT 131P	CCNA 1 – NETWORKING BASICS	3.0
IT132P	CCNA 2 – ROUTERS AND ROUTING BASICS	3.0
IT133P	CCNA 3 – SWITCHING BASICS AND INTERMEDIATE ROUTING	3.0
IT134P	CCNA 4 – WAN TECHNOLOGIES	3.0

### CIT FREE ELECTIVES (9 UNITS REQUIRED)

COURSE CODE	COURSE TITLE	CREDIT UNITS
IT116P	OOP 6 – INTRODUCTION TO MOBILE PROGRAMMING	3.0
MATH015	BUSINESS AND INVESTMENT MATHEMATICS	3.0
MGT110	ENTREPRENEURSHIP AND MANAGEMENT	3.0

### HUMANITIES ELECTIVES (9 UNITS REQUIRED)

COURSE CODE	COURSE TITLE	CREDIT UNITS
HUM011	LOGIC REASONING WITH CRITICAL THINKING	3.0
HUM012	PHILOSOPHY OF THE HUMAN PERSON	3.0
HUM 013	LITERATURE AND CREATIVE ARTS	3.0
HUM014	PHILIPPINE LITERATURE IN ENGLISH	3.0

### SOCIAL SCIENCE ELECTIVES (15 UNITS REQUIRED)

COURSE CODE	COURSE TITLE	CREDIT UNITS
SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	3.0
SS014	JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM	3.0
SS015	POLITICS, GOVERNMENT AND THE 1987 PHILIPPINE CONSTITUTION	3.0
SS016	PHILIPPINE HISTORY	3.0
SS017	SOCEITY, CULTURE AND FAMILY LIFE	3.0