



BS Chemistry with Computer Engineering

Effective SY 1998-99

First year

<u>First Semester</u>	Units	<u>Second Semester</u>	Units
En 11 Communication Across the Curriculum I	3	En 12 Communication Across the Curriculum II	3
En 13 Introduction to Fiction	3	En 14 Introduction to Poetry	3
Ma 18a Principles of Modern Mathematics I	3	Ma 21 Mathematical Analysis I	6
Ma 18b Principles of Modern Mathematics II	3	Fil 12 Sining ng Pakikipagtalastasan sa Filipino II	3
Fil 11 Sining ng Pakikipagtalastasan sa Filipino I	3	Ch 11 General Chemistry II Lecture	3
Ch 7 General Chemistry I Lecture	3	Ch 12 General Chemistry II Laboratory	2
Ch 8 General Chemistry I Laboratory	2		
PE 1	(2)	PE 2	(2)
CMT 11	(1.5)	CMT 12	(1.5)
TOTAL	20	TOTAL	20

Second Year

<u>Summer</u>	units		
Ch 35 Quantitative Analysis Lecture	3		
Ch 36 Quantitative Analysis Laboratory	2		
TOTAL	5		
<u>First Semester</u>	Units	<u>Second Semester</u>	Units
Ma 22 Mathematical Analysis II	3	Th 121 An Introduction to Doing a Catholic Theology	3
Fil 14 Ang Panitikan ng Pilipinas	3	Hi 16/17/18/19	3
SA 21 Introduction to Sociology and Anthropology	3	CH 41.5 Mathematical Methods in Chemistry	3
Ps 31 University Physics I	5	Ps 32 University Physics II	5
Ch 25 Organic Chemistry I Lecture	3	Ch 27 Organic Chemistry II Lecture	3
Ch 26 Organic Chemistry I Laboratory	2	Ch 28 Organic Chemistry II Laboratory	2
PE 3	(2)	PE 4	(2)
CMT 21	(1.5)	CMT 22	(1.5)
TOTAL	19	TOTAL	19

Third Year

<u>Summer</u>	units		
Foreign Language and Culture	3		
Psy 101 General Psychology	3		
ECE 21 Engineering Workshop Practices	1		
TOTAL	7		
<u>First Semester</u>	Units	<u>Second Semester</u>	Units
Hi 165 Rizal and the Emergence of the Philippine Nation	3	Hi 166 Philippine History	3
Ph 101 Philosophy of the Human Person I	3	Ph 102 Philosophy of the Human Person II	3
Th 131 Marriage, Family Life, and Human Sexuality in a Catholic Context	3	Ec 102 Basic Economics, Agrarian Reform and Taxation	3
Ch 45 Physical Chemistry I Lecture	3	Ch 47 Physical Chemistry II Lecture	3
Ch 46 Physical Chemistry I Laboratory	2	Ch 48 Physical Chemistry II Laboratory	2
Ch 171 Introduction to Computers and Data Structures I	3	Ch 172 Introduction to Computers and Data Structures II	3
		Ch 185.1 Seminar	1
TOTAL	17	TOTAL	18

Fourth YearSummer

Units

Ch 135 Instrumental Chemical Analysis Lecture 3
 Ch 136 Instrumental Chemical Analysis Laboratory 2

TOTAL

5

First Semester

Units

Th 141 A Theology of the Catholic Social Vision 3
Ph 103 Philosophy of Religion 3
PoS 100 Politics and Governance 3
Free Elective (highly recommend Ps 141.1) 3
 Chemistry Elective 3
 Ch 189.1 Senior Research I 2

TOTAL

17

Second Semester

Units

Th 151 The Catholic Commitment of Today's Filipino: A Sy 3
Ph 104 Foundations of Moral Values 3
Free Elective 3
 Ch 174.1 Digital Electronics & Chemical Instrumentation System 4
 Ch 189.2 Senior Research II 2

TOTAL

15

TOTAL NUMBER OF UNITS

162

Fifth Year**(B.S. Computer Engineering / Chemistry Track)**Summer

Units

CE 141 Microprocessor Systems/Interfacing 5

TOTAL

5

First Semester

Units

CE 190 Research Seminar I 2
 CE 140 Computer Organization 5
 CE 160 Automata and Formal Languages 3
 CE 150 Computer Interface Design 3
 CE 170 Communications Systems 5
 CE Elective 3

TOTAL

21

Second Semester

Units

CE 191 Research Seminar II 2
 CE 155 Operating Systems 3
 CE Elective 3
 CE Elective 3
 CE Elective 3

TOTAL

14

TOTAL NUMBER OF UNITS (5 years)

202