

Bachelor of Science in Computer Engineering

FIRST YEAR

1-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BEED 1-2	Engineering Drawing	2
CHEM 1-1L	General Chemistry Laboratory	1
CHEM 1-3	General Chemistry Lecture	3
CpE 1A-1L	Computer Hardware Fundamentals (Laboratory)	1
CpE 1A-2	Computer Hardware Fundamentals (Lecture)	2
ENG 1-3	English Language Proficiency	3
MATH 1E-3a	College Algebra	3
MATH 2E-3	Plane Spherical Trigonometry	3
NSTP 1-3	Theory: Civic Welfare Training Service/ Literacy Training Service/Military Training	3
PE 1-2	Fitness and Conditioning	2
THEO 1A-3	Philosophical Anthropology	3

1-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CpE2A-2L	Computer Fundamentals and Programming 1	2
ENG 2-3	Paragraph Writing, Composition Writing and Research Paper Writing	3
FIL 1-3	Komunikasyon sa Akademikong Filipino	3
MATH 1E-2b	Advanced Algebra	2
MATH4E-2	Solid Mensuration	2
NSTP2-3	Theory: Civic Welfare Training Service/ Literacy Training Service/Military Training	3
PE 2-2	Fundamentals of Rhythmic Activities	2
PHYSE 1-1L	College Physics 1(Laboratory)	1
PHYSE 1-3	College Physics 1 (Lecture)	3
THEO 2A-3	Christology	<u>3</u>
		27

SECOND YEAR

2-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BCAD 2-1	Computer-Aided Drafting	3
CpE 3A-2L	Computer Programming 2 (Database)	2
ENG3E-3	Technical Communication	3
FIL 2-3	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
MATH5E-4	Differential Calculus	4
MATH 7E-3	Probability and Statistics	3

PE 3-2	Fundamentals of Individual/Dual Sports	2
PHYSE 2-1L	College Physics 2 (Laboratory)	1
PHYSE 2-3	College Physics 2 (Lecture)	3
SOCSCI B-3	Society and Culture and Family Planning	3
THEO 3A-3	Church and Sacraments	<u>3</u>
		28

2-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CpE4-3	Discrete Mathematics	3
CpE5-1L	Computer Programming 3-Laboratory	1
CpE5-3	Computer Programming –Lecture	3
CpE6A-2L	Computer Programming 4 (Web Programming)	2
HIST 1A-3	Philippine History, Government and Constitution	3
PE 4-2	Fundamentals of team Sports	2
PHILO 1-3	Logic and Critical Thinking	3
MATH 6E-4	Integral Calculus	4
PSYCH1A-3	General Psychology	3
THEO 4A-3	Christian Morality	<u>3</u>
		27

THIRD YEAR

3-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BESRB4-3	Statistics of Rigid Bodies	3
CpE7-1L	Computer System Organization with Assembly Language (Lab)	1
CpE7-3	Computer System Organization with Assembly Language(Lec)	3
CPEEE1-3	Engineering Economy	3
ECE 1-1L	Electronics Devices and Circuits (Lecture)	1
EE1-3	Electric Circuits 1 (Laboratory)	3
MATH8E-3	Differential Equations	3
LIT 1-3	Philippine Literature w/ Emphasis on Kapampangan Literature	<u>3</u>
		24

3-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BEDRB6-2	Dynamics of Rigid Bodies	2
BEMDB7-3	Mechanics of Deformable Bodies	3
CpEAdM1-3	Advanced Engineering Mathematics	3
CpE8-1L	Logic Circuits and Switching Theory(Laboratory)	1
Cpe8-3	Logic Circuits and Switching Theory (Lecture)	3
CpE9-1	Computer Engineering Drafting and Design	1
ECE2-1L	Electronics Circuits Analysis and Design (Laboratory)	1
EE2-3	Electronics Circuits Analysis and Design (Lecture)	3
SOCSCI 2-3	Contemporary National Development	3

FOURTH YEAR

4-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BEEM 1-3	Engineering Management	3
CpE10-1L	Advanced Logic Circuit (Lab)	1
CpE10-3	Advanced Logic Circuit (Lec)	3
CpE 11-1L	Digital Signal Processing (Lab)	1
CpE11-3	Digital Signal Processing (Lec)	3
ECE 5-1	Principles of Communications (Laboratory)	1
ECE 5-3	Principles of Communications (Lecture)	3
CpE13-1L	Control Systems (Laboratory)	1
CpE13-3	Control Systems (Lecture)	3
HUM1-3	Art Education and Appreciation	3
HIST2-3	Life and Works of Rizal	<u>3</u>
		25

4-SecondSemester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CpE14-1L	Operating System and Network Administration(Lab)	1
CpE14-3	Operating System and Network Administration(Lec)	3
CpE15-1L	Computer System Architecture(Lab)	1
CpE15-3	Computer System Architecture(Lec)	3
ECE11-1L	Data Communications(Lab)	1
ECE11-3	Data Communications(Lec)	3
CpE17-1L	Microprocessor System(Lab)	1
CpE17-3	Microprocessor System(Lec)	3
CpE18-1L	Object-Oriented Programming(Lab)	1
CpE18-2	Object-Oriented Programming(Lec)	2
CpEE1-2	CpE Elective 1	<u>3</u>
		22

4-Summer

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CpEPRAC-3	Practicum (240 hours)	<u>3</u>
		3

FIFTH YEAR

5-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BESM1-3	Environmental Engineering and Safety Management	3
CpED1-3	Design Project 1 (Methods of Research)	3
CpE19A-1L	Computer Networks (Lab)	1
CpE19A-3	Computer Networks (Lec)	3
CpE20-1L	System Analysis and Design(Lab)	1
CpE20-2	System Analysis and Design(Lec)	3

CpEE2-3	CpE Elective 2	3
ArC1-3	Basic Accounting	<u>3</u>
		20

5-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BESFT1-1	Seminars and Field Trips	1
CpE 21-3	Computer Engineering Ethics, Laws and Trends	3
CpE 22-3	Software Engineering (Lecture)	3
CpE22-1L	Software Engineering (Laboratory)	1
CpEDP2-2	Design Project 2 (Project Implementation)	2
CpEE3	CpE Elective 3	3
	Technopreneurship	<u>3</u>
		16