

BACHELOR OF SCIENCE Computer Engineering

First Year

First Semester		Units	Second Semester		Units
Chm1E	General Chemistry (Lec)	3	Chm2A	General Chemistry 2	2
Chm1EL	General Chemistry (Lab)	1	CpE10	Computer Hardware Fundamentals for CpE	1
Eng1B	Study and Thinking Skills in English	3	Eng2B	Writing in the Discipline	3
Fil1A	Komunikasyon sa Akademikong Filipino	3	GG2	Group Guidance 2	1.5
GE1	Engineering Drawing 1	1	MA10	Analytic Geometry	3
GG1	Group Guidance 1	1.5	Math3E	Advanced Algebra	3
MA1EN	College Algebra	3	Math4E	Solid Mensuration	2
Math2E	Plane & Spherical Trigonometry	3	NSTP2	National Service Training Program 2	3
NSTP1	National Service Training Program 1	3	PE2	Rhythmics and Team Sports	2
PE1	Gymnastics & Physical Fitness	2	RS2A	Church and Sacraments	3
RS1B	Human Person's Relationship with God	3	Fil2B	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
		3			26.5
		26.5			

Second Year

First Semester		Units	Second Semester		Units
CFPC	Computer Fundamentals and Programming for CpE	2	CpE21	Data Structures and Algorithms Analysis	4
CpE20	Discrete Mathematics	3	Econ1A	Intro to Econ w/Agrarian Ref & Tax	3
Eng3A	Speech	3	Hist2	Phil. History & Culture	3
MA11E	Differential Calculus	4	MA12E	Integral Calculus	4
PE3	Individual & Dual Sports	2	Math15E	Probability and Statistics	3
Phil1	Logic	3	PE4	Recreation Games & Water Safety	2
Phy1E	College Physics 1 (Lec)	3	RS4A	Vocation and Mission	3
Phy1EL	College Physics 1 (lab)	1	Phy2E	College Physics 2 (Lec)	3
RS3A	Christian Morality	3	Phy2EL	College Physics 2 (lab)	1
		24			26
					26

Third Year

First Semester		Units	Second Semester		Units
CpE30	Computer System Organization w/ Assembly Language Programming	4	CpE31	Logic Circuit Switching Theory (Lec)	3
ECE31	Electronics 1 (Lec)	3	CpE31L	Logic Circuit Switching Theory (Lab)	1
ECE31L	Electronics 1 (Lab)	1	CpE32	Computer Engineering Drafting & Design	1
EE31	Circuits 1 (Lec)	3	ECE32	Electronics 2 (Lec)	3
EE31L	Circuits 1 (Lab)	1	ECE32L	Electronics 2 (Lab)	1
GE3	Statics of Rigid Bodies	3	EE32	Circuits 2 (Lec)	3
Hum	Art/Music Appreciation	3	EE32L	Circuits 2 (Lab)	1
Math13E	Differential Equations	3	GE4	Dynamics of Rigid Bodies	2
Rizal	Life & Works of Rizal	3	GE5	Mechanics of Deformable Bodies	3
GE2	Computer Aided Design	1	GE6B	Environmental Engineering with GIS	3
		25	Math14B	Advanced Engineering Mathematics for CpE	3
					24
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Fourth Year

First Semester			Units	Second Semester			Units
CpE40	Principles of Communication		3	CpE43	Computer System Architecture		4
CpE41	Advanced Logic Circuits (Lec)		3	CpE44	Data Communications		3
CpE41L	Advanced Logic Circuits (Lab)		1	CpE45	Operating Systems		4
CpE42	Digital Signal Processing (Lec)		3	CpE46	Control Systems (Lec)		3
CpE42L	Digital Signal Processing (Lab)		1	CpE46L	Control Systems (Lab)		1
Eng6E	Eng for Special Purposes & Tech. Wrtg		3	CpE47	Microprocessor Systems (Lec)		3
GE10	Engineering Economy		3	CpE47L	Microprocessor Systems (Lab)		1
Psych1	Gen. Psych w/ Drug Abuse Education		3	Phil2	Philosophy of Man		3
Socio1	Gen. Socio w/ Fil. Family & Community Life		3				<u>22</u>
			<u>23</u>				

Fifth Year

First Semester			Units	Second Semester			Units
CE11	Technical Elective 1		3	CE12	Technical Elective 2		3
CpE50	Object-Oriented Programming		3	CE13	Technical Elective 3		3
CpE51	Software Engineering		3	CpE55	System Analysis and Design		3
CpE52	Seminars/Field Trips		1	CpE56	Eng'g Ethics, Computer Laws, & Contracts		2
CpE53	Computer Networks		4	CpE57	Entrepreneurship		3
CpE54	Design Project 1 (Methods of Research)		2	CpE58	Design Project 2 (Project Implementation)		2
GE7B	Safety Engineering		2	GE11	Engineering Management		3
Polsci1	Phil. Gov't & the Constitution		3				<u>19</u>
			<u>21</u>				