



FIRST YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
_____ Math 0	Foundation Mathematics	3	0	3	-
_____ Math 1	Calculus 1	4	0	4	-
_____ Chem Lec	Chemistry for Engineers	3	0	3	-
_____ Chem Lab	Chemistry for Engineers Lab	0	3	1	-
_____ GEC-Math	Mathematics for the Modern World	3	0	3	-
_____ GEC-UTS	Understanding the Self	3	0	3	-
_____ BSC 1	Being Skills Course 1	1.5	0	1.5	-
_____ PE 1	Physical Fitness and Gymnastics	2	0	2	-
_____ NSTP 1	National Service Training Program 1	3	0	3	-
TOTAL		22.5	3	23.5	

FIRST YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
_____ Math 2	Calculus 2	4	0	4	Math 1
_____ Phys Lec	Physics for Engineers	3	0	3	Math 1
_____ Phys Lab	Physics for Engineers Lab	0	3	1	Math 1
_____ BES-CAD	Computer-Aided Drafting	0	3	1	-
_____ CpE 121	Discrete Mathematics	3	0	3	Math 1
_____ CpE 122	Programming Logic and Design	0	6	2	-
_____ BES-Draw	Engineering Drawing	0	3	1	-
_____ GEC-PCom	Purposive Communication	3	0	3	-
_____ BSC 2	Being Skills Course 2	1.5	0	1.5	-
_____ PE 2	Rhythmic Activities	2	0	2	PE 1
_____ NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
TOTAL		19.5	15	24.5	

SECOND YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
_____ Math 3	Differential Equations	3	0	3	Math 2
_____ Math 4	Engineering Data Analysis	3	0	3	Math 1
_____ CpE 213	Object Oriented Programming	0	6	2	CpE 122
_____ CpE 214	Computer Engineering as a Discipline	1	0	1	2 nd Year Standing
_____ EE 213 Lec	Fundamentals of Electrical Circuits	3	0	3	Phys Lec/Lab
_____ EE 213 Lab	Fundamentals of Electrical Circuits Lab	0	3	1	Phys Lec/Lab
_____ GEC-Art	Art Appreciation	3	0	3	-
_____ GEC-STS	Science, Technology and Society	3	0	3	-
_____ GEC-TCW	The Contemporary World	3	0	3	-
_____ PE 3	Individual/Dual Sports	2	0	2	PE 2
TOTAL		21	9	24	

SECOND YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
_____ CpE 225	Numerical Methods	3	0	3	Math 3
_____ CpE 226	Data Structures and Algorithms	0	6	2	CpE 213
_____ CpE 227	Data Science and Machine Learning	0	3	1	Math 4
_____ ECE 221 Lec	Fundamentals of Electronic Circuits	3	0	3	EE 213 Lec/Lab
_____ ECE 221 Lab	Fundamentals of Electronic Circuits Lab	0	3	1	EE 213 Lec/Lab
_____ CpE 228	System and Network Administration 1*	2	3	3	2 nd Year Standing
_____ BES-Eeco	Engineering Economics	3	0	3	2 nd Year Standing
_____ EPC	English Proficiency Course	3	0	3	-
_____ GEC-RPH	Readings in Philippine History	3	0	3	-
_____ PE 4	Team Sports and Recreation	2	0	2	PE 3
TOTAL		19	15	24	

THIRD YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
CpE 319 Lec	Feedback and Control Systems	3	0	3	CpE 225 Lec/Lab; EE 213 Lec/Lab
CpE 319 Lab	Feedback and Control Systems Lab	0	3	1	CpE 225 Lec/Lab; EE 213 Lec/Lab
CpE 3110	Operating Systems	3	0	3	CpE 226
CpE 3111 Lec	Logic Circuits and Design	3	0	3	ECE 221 Lec/Lab
CpE 3111 Lab	Logic Circuits and Design Lab	0	3	1	ECE 221 Lec/Lab
CpE 3112	Introduction to HDL	0	3	1	CPE 122; ECE 221 Lec /Lab
CpE 3113 Lec	Software Design	3	0	3	CpE 226
CpE 3113 Lab	Software Design Lab	0	3	1	CpE 226
CpE 3114	Fundamentals of Mixed Signals and Sensors	3	0	3	ECE 221 Lec/Lab
CpE 3115	Data and Digital Communications	3	0	3	ECE 221 Lec/Lab
GEC-Ethics	Ethics	3	0	3	-
TOTAL		21	12	25	

THIRD YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
CpE 3216	Basic Occupational Health and Safety	3	0	3	3 rd Year Standing*
CpE 3217 Lec	Microprocessors	3	0	3	CpE 3111 Lec/Lab
CpE 3217 Lab	Microprocessors Lab	0	3	1	CpE 3111 Lec/Lab
CpE 3218 Lec	Web Programming	2	0	2	3 rd Year Standing*
CpE 3218 Lab	Web Programming Lab	0	3	1	3 rd Year Standing*
CpE 3219	Computer Engineering Drafting and Design	0	3	1	BES-CAD; ECE 221 Lec/Lab
CpE 3220 Lec	Computer Networks and Security	3	0	3	CpE 3115
CpE 3220 Lab	Computer Networks and Security Lab	0	3	1	CpE 3115
CpE 3221	System and Network Administration 2**	2	3	3	CpE 228
MR	Methods of Research	2	0	2	Math 4; GEC-PCOM; CpE 3111 Lec/Lab
Tech	Technopreneurship 101	3	0	3	3 rd Year Standing*
Rizal	Life and Works of Rizal	3	0	3	-
TOTAL		21	15	26	

SUMMER

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
CpE 3322	CpE Practice and Design 1	0	3	1	MR; CpE 3217 Lec/Lab
CpE 3323 Lec	Embedded Systems	3	0	3	CpE 3217 Lec/Lab
CpE 3323 Lab	Embedded Systems Lab	0	3	1	CpE 3217 Lec/Lab
TOTAL		3	6	5	

FOURTH YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
CpE 4125	Emerging Technologies in CpE	3	0	3	4 th Year Standing*
CpE 4126	Seminars and Fieldtrips	0	3	1	4 th Year Standing*
CpE 4127 Lec	Computer Architecture and Organizations	3	0	3	CpE 3217 Lec/Lab
CpE 4127 Lab	Computer Architecture and Organizations Lab	0	3	1	CpE 3217 Lec/Lab
CpE 4128	CpE Practice and Design 2	0	6	2	CpE 3322
CpE 4129 Lec	Digital Signal Processing	3	0	3	CpE 319 Lec/Lab
CpE 4129 Lab	Digital Signal Processing Lab	0	3	1	CpE 319 Lec/Lab
CpE 4130	Software Testing and Quality Assurance	0	3	1	4 th Year Standing*
CpE 4131	System and Network Administration 3**	2	3	3	CpE 3221
CpE 4132	CpE Laws and Professional Practice	2	0	2	4 th Year Standing
FL	Foreign Language	3	0	3	-
TOTAL		16	21	23	

FOURTH YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisites
		Lec	Lab		
CpE 4233	On-the-Job Training	0	500	5	4 th Year Standing
TOTAL			5	5	

Suggested Cognates/Electives

System and Network Administration 1
 System and Network Administration 2
 System and Network Administration 3