



OFFICE OF THE REGISTRAR

CHECKLIST FOR THE
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE)

Name _____
Home Address _____
Date of Entrance _____
Degree _____
High School _____

Nationality _____
Date of Birth _____
Date of Graduation _____
Major _____
Address _____

Course Number	COURSE TITLE	Credit Units		PRE - REQUISITE(S)	Sem./SY Taken	Professor/ Instructor	Final Rating
		Lec	Lab				

FIRST YEAR, FIRST SEMESTER

CHEM 1b	General Chemistry	3	2				
SOSC 1	Society & Culture w/ Family Planning	3					
FILI 1	Komunikasyon sa Akademikong Filipino	3					
ENGL 1	Study and Thinking Skills in English	2	1				
MATH 2a	College Algebra	3					
MATH 4b	Plane and Spherical Trigonometry	3					
DRAW 21	Engineering Drawing I		1				
PHED 1	Physical Fitness and Aerobics	2					
NSTP 1		(3)					
	Total	19	4				

FIRST YEAR, SECOND SEMESTER

ENGL 2	Writing in the Discipline	2	1	ENGL 1			
FILI 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3		FILI 1			
HUMN 4	Literature, Man & Society	3					
MATH 5	Advanced Algebra	3		MATH 2a			
MATH 21b	Analytic Geometry	3		MATH 2a; MATH 4b			
MATH 9	Solid Mensuration	2		MATH 2a; MATH 4b			
PHYS 1b	Mechanics and Thermodynamics	3	1	MATH 2a; MATH 4b			
DRAW 22	Engineering Drawing II		1	DRAW 21			
PHED 2	Rhythmic Activities	2		PHED 1			
NSTP 2		(3)		NSTP 1			
	Total	21	3				

SECOND YEAR, FIRST SEMESTER

ENGL 7	Scientific Reporting and Thesis Writing	2	1	ENGL 2			
MATH 10	Differential Calculus	4		MATH 5, 21b, 9			
PHYS 2b	Wave, Electromagnetism, Sound & Light	3	1	PHYS 1b			
HUMN 5	Art, Man & Society	3		ELEC 70			
SOSC 2	General Psychology	3					
SOSC 3	Philippine History, Geography & Institution	3					
AENG 24	Environmental Engineering	2		CHEM 1b			
PHED 3	Individual-Dual Sports	2		PHED 1			
	Total	22	2				

SECOND YEAR, SECOND SEMESTER

HUMN 9	Logic	3					
SOSC 5	Philippine Government, Politics & Constitution	3					
SOSC 6	Rizal's Life, Works & Writings	3					
STAT 2	Probability & Statistics	3		MATH 2a			
MATH 11	Integral Calculus	4		MATH 10			
CPEN 21	Fundamentals of Computer and Programming		2	2nd year standing			
CENG 24	Engineering Economy	3		2nd year standing			
DRAW 23	Computer Aided-Drafting		1	DRAW 22			
PHED 4	Team Sports	2		PHED 1			
	Total	21	3				

THIRD YEAR, FIRST SEMESTER

CPEN 50	Computer Hardware Fundamentals		2				
MATH 12b	Differential Equations	3		MATH 11			
ECEN 60	Electronics I	3	1	PHYS 2b; MATH 11			
DCEE 24a	Safety Management for CpE	1		3rd year standing			
CPEN 55	Data Structures and Algorithm Analysis	3	1	CPEN 21			
CENG 22	Statics of Rigid Bodies	3		PHYS 2b; MATH 11			
EENG 60	Circuits I	3	1	PHYS 2b; co-req MATH 12b			
DCEE 22	Discrete Mathematics	3		MATH 2a			
	Total	19	5				

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THIRD YEAR, SECOND SEMESTER

DCEE 23	Advanced Engineering Mathematics	3		MATH 12b			
CENG 26	Engineering Management	3		3rd year standing			
CENG 23	Dynamics of Rigid Bodies	2		CENG 22			
ECEN 65	Electronics II	3	1	ECEN 60			
EENG 65	Circuits II	3	1	EENG 60			
CENG 25	Mechanics of Deformable Bodies	3		CENG 22			
CPEN 60	CSO with Assembly Language	3	1	CPEN 55			
	Total	20	3				

FOURTH YEAR, FIRST SEMESTER

CPEN 65	Computer Engineering Drafting & Design		1	CENG 25			
CPEN 70	Logic Circuits & Switching Theory	3	1	ECEN 65			
CPEN 75	Digital Signal Processing	3	1	DCEE 23			
CPEN 101	Embedded Systems	3		CPEN 60			
DCEE 25	Research Methods	1		4th year standing			
ECEN 75	Principles of Communications	3	1	DCEE 23; ECEN 65; EENG 65			
EENG 85	Control System Analysis	3	1	DCEE 23; ECEN 65; EENG 65			
	Total	16	5				

FOURTH YEAR, SECOND SEMESTER

CPEN 80	Advanced Logic Circuit Design	3	1	CPEN 70			
CPEN 85	Operating Systems	3	1	CPEN 60			
CPEN 90	Data Communications	3		ECEN 75			
CPEN 95	Object Oriented Programming	2	1	CPEN 55			
CPEN 106	Project Management	3		CENG 26			
CPEN 200	Design Project	1		4th year standing			
DCEE 26	Numerical Methods w/ Computer Application	3	1	DCEE 23; CPEN 21			
	Total	18	4				

SUMMER

OJT	On-the-Job Training (240 hours)	3		4th year standing			
	Total	3.0					

FIFTH YEAR, FIRST SEMESTER

CPEN 100	Computer Networks	3	1	CPEN 90			
CPEN 105a	Microprocessor Systems for CpE	3	1	CPEN 60; CPEN 80			
CPEN 110	Software Engineering	3		CPEN 55			
CPEN 115	Computer System Architecture	3	1	CPEN 60; CPEN 85			
CPEN 111	Microelectronics	3		CPEN 80; ECEN 65			
CPEX	Comprehensive Examination for CpE	1		5th year standing			
COEN 200	Design Project		1	5th year standing			
	Total	16	4				

FIFTH YEAR, SECOND SEMESTER

CPEN 120	Engineering Ethics & Computer Laws	2		5th year standing			
CPEN 125	System Analysis & Design	2	1	CPEN 55; CPEN 95			
CPEN 190	Seminar & Field Trips	1		5th year standing			
CPEN 116	On-Line Technology	2	1	CPEN 100			
CPEN 200	Design Project		1	5th year standing			
ENTREP	Entrepreneurship	3					
	Total	10	3				

TOTAL LECTURE: 185
TOTAL LAB: 36

Prepared by:

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