



OFFICE OF THE REGISTRAR

Revised (1st. Sem. 2015-2016)

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

Name _____ Nationality _____
Home Address _____ Date of Birth _____
Date of Entrance _____ Date of Graduation _____
Degree _____ Major _____
High School _____ Address _____

Course Number	COURSE TITLE	Credit Units		PRE-REQUISITE(S)	Sem./SY Taken	Professor/Instructor	Final Rating
		Lec	Lab				
FIRST YEAR							
First Semester							
ENGL 1	Study and Thinking Skills in English	2	1				
FILI 1	Komunikasyon sa Akademikong Filipino	3					
MATH 2a	College Algebra	3					
MATH 4b	Plane and Spherical Trigonometry	3					
SOSC 1	Society Culture including Family Planning	3					
DRAW 21	Engineering Drawing I		1				
PHED 1	Physical Fitness & Aerobics	2					
NSTP 1		(3)					
	Total	16	2				

Second Semester							
CHEM 1b	General Chemistry	3	2				
ENGL 2	Writing in the Discipline	2	1	ENGL 1			
FILI 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3		FILI 1			
MATH 9	Solid Mensuration	2		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	12	4				

SUMMER							
CPEN 50	Computer Hardware Fundamentals		2				

SECOND YEAR							
First Semester							
PHYS 1b	Mechanics & Thermodynamics	3	1	MATH 2a & MATH 4b			
MATH 21b	Analytic Geometry	3		MATH 2a & MATH 4b			
MATH 5	Advanced Algebra	3		MATH 2a			
ENGL 7	Scientific Reporting & Thesis Writing	2	1	ENGL 2			
SOCS 2	Introduction to Behavioral Science	3					
PHED 3	Individual/Dual Sports	2		PHED 1			
	Total	16	2				

Second Semester							
CPEN 21	Fund. Of Computer and Programming		2				
HUMN 4	Literature, Man, & Society	3					
MATH 10	Differential Calculus	4		MATH 5, MATH 21b, MATH 9			
SOCS 3	Phil. History, Geography & Institution	3					
PHYS 2b	Wave, Electromagnetism, Sound & Light	3	1	PHYS 1b			
PHED 4	Team Sports	2		PHED 1			
	Total	15	3				

SUMMER							
CPEN 55	Data Structures and Algorithm Analysis	3	1	CPEN 21			

THIRD YEAR							
First Semester							
SOCS 5	Phil. Government, Politics & the New Constitution	3					
MATH 11	Integral Calculus	4		MATH 10			
HUMN 5	Art, Man and Society	3		HUMN 4			
DCEE 22	Discrete Mathematics	3		MATH 2a			
DRAW 23	Computer-Aided Drawing		1	DRAW 22			
STAT 2	Probability and Statistics	3		MATH 2a			
CPEN 65	Computer Engineering Drafting and Design		1	Third Year Standing			
	Total	16	2				

Course Number	COURSE TITLE	Credit Units		PRE-REQUISITE(S)	Sem./SY Taken	Professor/Instructor	Final Rating
		Lec	Lab				
Second Semester							
CENG 26	Engineering Management	3		Third Year Standing			
MATH 12b	Differential Equations	3		MATH 11			
EENG 60	Circuits I	3	1	PHYS 2b & MATH 11, correq MATH 12b			
CPEN 60	CSO with Assembly Language	3	1	CPEN 55			

CENG 24	Engineering Economy	3		Third Year Standing		
CENG 22	Static of Rigid Bodies	3		PHYS 1b, MATH 11		
	Total	18	2			

FOURTH YEAR

First Semester

EENG 65	Circuits II	3	1	EENG 60		
DCEE 23	Advanced Engineering Math	3		MATH 12b		
DCEE 24a	Safety Management for CpE	1		4th year Standing		
CENG 25	Mechanics of Deformable Bodies	3		CENG 22		
CENG 23	Dynamics of Rigid Bodies	2		CENG 22		
AENG 24	Environmental Engineering	2		CHEM 1b		
ECEN 60	Electronics I	3	1	PHYS 2b & MATH 11		
DCEE 25	Research Methods	1		4th year Standing		
	Total	18	2			

Second Semester

ECEN 65	Electronics II	3	1	ECEN 60		
SOSC 6	Rizal's Life, Works and Writings	3				
CPEN 70	Logic Circuits and Switching Theory	3	1	ECEN 65		
CPEN 75	Digital Signal Processing	3	1	DCEE 23		
CPEN 101	Embedded Systems	3		CPEN 60		
	Total	15	3			

FIFTH YEAR

First Semester

CPEN 110	Software Engineering	3		CPEN 55		
CPEN 106	Project Management	3		CENG 26		
CPEN 80	Advanced Logic Circuit Design	3	1	CPEN 70		
ECEN 75	Principles of Communication	3	1	DCEE 23, EENG 65, ECEN 65		
EENG 85	Control System Analysis	3	1	DCEE 23, EENG 65, ECEN 65		
	Total	15	3			

Second Semester

CPEN 200	Design Project	1		5th Year Standing		
DCEE 26	Numerical Methods w/ Computer Applications	3	1	DCEE 23; CPEN 21a		
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 190	Seminars and Field Trips	1		5th Year Standing		
	Total	13	3			

SUMMER

O J T	On-the-Job Training (240 hours)	3		5th Year Standing		
	Total	3				

SIXTH YEAR

First Semester

CPEN 100	Computer Networks	3	1	CPEN 90		
CPEN 105a	Microprocessor Systems for CpE	3	1	CPEN 60; CPEN 80		
CPEN 115	Computer System Architecture	3	1	CPEN 60; CPEN 85		
CPEX	Comprehensive Examination for CpE	1		6th Year Standing		
COEN 200	Design Project		1	6th Year Standing		
	Total	10	4			

Second Semester

CPEN 111	Microelectronics	3		CPEN 80; ECEN 65		
CPEN 120	Engineering Ethics & Computer Laws	2		6th Year Standing		
CPEN 125	System Analysis and Design	2	1	CPEN 55; CPEN 95		
CPEN 116	On-Line Technology	2	1	CPEN 100		
CPEN 200	Design Project		1	6th Year Standing		
ENTREP	Entrepreneurship	3				
HUMN 9	Logic	3				
	Total	15	3			

Prepared by: **Cecile F. Lorenzana**
Evening Coordinator

Total Lecture: 185
Total Laboratory: 36

