



OFFICE OF THE REGISTRAR

CHECKLIST FOR THE
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSEE)

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

EENG 50	EE Shop Practice I (Building Wiring & Design)		1	3rd year standing			
MATH 12b	Differential Equations	3		MATH 11			
ECEN 60	Electronics I	3	1	PHYS 2b; MATH 11			
DCEE 24c	Safety Management for EE	1		3rd year standing			
EENG 75a	Electromagnetics for EE	3		PHYS 2b; MATH 11			
CENG 22	Statics of Rigid Bodies	3		PHYS 2b; MATH 11			
EENG 60	Circuits I	3	1	PHYS 2b; MATH 11; co-req MATH 12b			
EENG 70	Fund. of Material Science & Engineering for EE	3		CHEM 1b; PHYS 2b			
	Total	19	3				

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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			
EENG 55	EE Shop II (Motor Winding & Design)		1	EENG 50			
AENG 4	Basic Thermodynamics	3		PHYS 2b; MATH 11			
	Total	20	3				

FOURTH YEAR, FIRST SEMESTER

CENG 65c	Mechanics of Fluid	2		CENG 25			
CPEN 70	Logic Circuit & Switching Theory	3	1	ECEN 65			
ECEN 75	Principles of Communications	3	1	DCEE 23; ECEN 65; EENG 65			
DCEE 25	Research Methods	1		4th year standing			
EENG 80	Circuits III	3	1	EENG 65			
EENG 85	Control System Analysis	3	1	DCEE 23; ECEN 65; EENG 65			
EENG 90	DC Machinery	2	1	EENG 65			
	Total	17	5				

FOURTH YEAR, SECOND SEMESTER

ECEN 85	Industrial Electronics	3	1	ECEN 65			
DCEE 26	Numerical Methods w/ Computer Application	3	1	DCEE 23; CPEN 21			
EENG 95	AC Apparatus and Devices	2	1	co-req EENG 100			
EENG 100	AC Machinery	3	1	EENG 80; EENG 90			
EENG 101	Solar Energy (Prof. Elective I)	3		4th year standing			
EENG 105	EE Law, Contracts & Ethics	2		4th year standing			
EENG 200	Design Project	1		4th year standing			
EENG 196	EE Competency Appraisal I	(2)		4th year standing			
	Total	17	4				

SUMMER

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

FIFTH YEAR, FIRST SEMESTER

CPEN 22	Information Technology for EE	2	1	ECEN 75			
CPEN 105b	Microprocessor System	3	1	CPEN 70; CPEN 21; ECEN 65			
EENG 110	Electrical System Design	2	1	EENG 95			
EENG 115	EE Safety	1		DCEE 24c			
EENG 120	Instrumentation and Control	2	1	ECEN 85			
EENG 125	Illumination Engineering Design	2	1	co-req EENG 110			
EENG 106	High Rise Building Design (Prof. Elective II)	3		5th year standing			
EENG 200	Design Project	1		5th year standing			
EENG 197	EE Competency Appraisal II	(2)		5th year standing			
	Total	16	5				

FIFTH YEAR, SECOND SEMESTER

EENG 130	Electrical Equipment Operation & Maintenance	3		EENG 95			
EENG 135	Power Plant Engineering	2	1	co-req EENG 145			
EENG 140	Electrical Transmission & Distribution System	3	1	EENG 80; EENG 100			
EENG 145	Power System Analysis & Design	3	1	EENG 110			
EENG 111	Power System Market Operation (Prof. Elective 3)	3		5th year standing			
EENG 116	Pneumatics and Process Control (Prof. Elective 4)	3		5th year standing			
EENG 190	Seminar and Field Trips	1		5th year standing			
EENG 200	Design Project	1		5th year standing			
EENG 198	EE Competency Appraisal III	(2)		5th year standing			
	Total	19	3				

TOTAL LECTURE: 188
TOTAL LAB: 35

Prepared by:

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