

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
Special UPLB UC Meeting 05 / 21-22 / 18; President's Approval 08/28/19

First Semester		Units	Second Semester		Units
FIRST YEAR					
MATH 27	Analytic Geometry and Calculus II	3	MATH 28	Analytic Geometry and Calculus III	3
PHYS 71	University Physics I	4	PHYS 72	University Physics II	4
PHYS 71.1	University Physics I Laboratory	1	PHYS 72.1	University Physics II Laboratory	1
EE 30	Introduction to Electrical Engineering	1	ENSC 10.1	Engineering Graphics Laboratory	2
PI 10	The Life and Works of Jose Rizal	3	ENSC 11	Statics of Rigid Bodies	3
ARTS 1	Critical Perspectives in the Arts	3	GE Elective		3
ETHICS 1	Ethics and Moral Reasoning in Everyday Life	3	GE Elective		3
HK 11	Wellness and Basic Injury Management	(2)	HK 12	Human Kinetics Activities	(2)
NSTP 1	National Service Training Program I	(3)	NSTP 2	National Service Training Program II	(3)
	Total	18		Total	19
SECOND YEAR					
EE 40	Fundamentals of Electrical Engineering I	4	EE 50	Fundamentals of Electrical Engineering II	4
EE 45	Fundamentals of Engineering Electromagnetics	3	EE 51	Electromechanical Energy Conversion for DC	3
ENSC 12	Dynamics of Rigid Bodies	3	EE 55	Semiconductor Devices	3
ENSC 14a	Engineering Thermodynamics and Heat Transfer	5	ENSC 26	Computer Applications in Engineering	3
ENSC 21	Mathematical Methods in Engineering	3	HIST1/KAS1	Philippine History / Kasaysayan ng Pilipinas	3
STS 1	Science, Technology, and Society	3	GE Elective	Elective	3
HK 12/13	Human / Advanced Human Kinetics Activities	(2)	HK 12/13	Human / Advanced Human Kinetics Activities	(2)
	Total	21		Total	19
MIDYEAR					
			EE 198 Internship		3 3
THIRD YEAR					
EE 60	Signals and Systems	3	EE 70	Instrumentation Engineering	4
EE 65	Electronic Circuits	4	EE 75	Digital Electronics	4
EE 61	Electromechanical Energy Conversion for AC	4	EE 71	Analysis of Power Systems	3
EE 62	Principles of Power Systems	3	EE 79	Electrical Engineering Law, Ethics, and Contracts	1
EE 66	Signals and Noise in Electrical Engineering Networks	3	FPPS 183	Engineering Economic Analysis	3
ENG 10	Writing of Scientific Papers	3	IE 184	Project Development and Management	3
			EE 199	Undergraduate Seminar	1
	Total	20		Total	19
FOURTH YEAR					
EE 85	Industrial Electronics	3	EE 200	Thesis or Innovationeering or Engineering Industry Research	3
			EE 200b		
			EE 200c		
EE 80	Control Systems Analysis	3	SPEC	Specialization Course	3
EE 86	Electronic Communication Systems I	3	SPEC	Specialization Course	3
EE 81	Maintenance of Electrical Equipment and Devices	3	Elective	Elective	3
COMM 10	Critical Perspectives in Communication	3	Elective	Elective	3
EE 200	Thesis or Innovationeering or Engineering Industry Research	3	EE 91	Electrical System Design, Planning, and Estimation	4
EE 200b					
EE 200c					
SPEC	Specialization	3		Total	19
	Total	21			

TOTAL NUMBER OF UNITS.....159

FOUR-YEAR CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Effective A.Y. 2018-2019

