

2018 CURRICULUM FOR BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSEE)

IMPORTANT: Registration in any course/s without all the pre-requisite/s, correct sequence and authorized load shall not be given any credit regardless of the grade/s obtained.

NAME : ______STUDENT NO : _____

COURSE CODE		DESCRIPTIVE TITLE		LAB HOURS	CREDIT UNITS	PRE-REQUISITE(S)/CO-REQUISITI
FIRST YEAR,	FIRST SEM	ESTER (18 UNITS)				
CHEM	001C	Chemistry for Engineers	3	3	4	
MATH	016	Calculus 1	3	0	3	
MATH	006	Discrete Mathematics	3	0	3	
GEC	004	Mathematics in the Modern World	3	0	3	
GEC	005	Purposive Communication	3	0	3	
PE	001	Physical Activities Toward Health and Fitness 1 (PATHfit 1)	2	0	2	
NSTP	001	National Service Training Program 1	(3)	0	(3)	
		TOTAL	17	3	18	
FIRST YEAR,	SECOND SI	EMESTER (18 UNITS)				•
PHYS	001C	Calculus-Based Physics	3	3	4	MATH 016(P)
MATH	017	Calculus 2	3	0	3	MATH 016(P)
ENVI	001	Environmental Science and Engineering	3	0	3	
MATH	013	Linear Algebra with MATLAB	2	3	3	MATH 016(P)
GEE	001	General Education Elective 1	3	0	3	
PE	002	Physical Activities Toward Health and Fitness 2 (PATHfit 2)	2	0	2	PE 001(P)
NSTP	002	National Service Training Program 2	(3)	0	(3)	
		TOTAL	16	6	18	
SECOND YEA	R, FIRST SI	EMESTER (26 UNITS)				•
MATH	010	Differential Equations	3	0	3	MATH 017(P)
EE	020	Electrical Circuits 1	3	3	4	MATH 017(P) PHYS 001C(P)
MECH	001	Engineering Mechanics	3	0	3	PHYS 001C(P)
TECH	101	Introduction to Engineering Entrepreneurship	3	0	3	
ME	004	Thermodynamics	3	0	3	CHEM 001C(P) PHYS 001C(P)
GEE	002	General Education Elective 2	3	0	3	
PE	003	Physical Activities Toward Health and Fitness 3 (PATHfit 3)	2	0	2	PE 002(P)
MATH	019A	Engineering Data Analysis	3	3	4	MATH 013(P)
ITE	001B	Computer Programming	0	3	1	
		TOTAL	23	9	26	
SECOND YEA	R, SECOND	SEMESTER (25 UNITS)				-
EEM	001	Engineering Math for Electrical Engineering	3	0	3	MATH 010(P)
EE	021	Electrical Circuits 2	3	3	4	EE 020(P) MATH 010(P)
ECE	007A	Electronic Circuits: Devices and Analysis	3	3	4	EE 020(P)
EE	022	Electromagnetics for Electrical Engineering	2	0	2	EE 020(P) MATH 010(P)
CE	003B	Fundamentals of Deformable Bodies	2	0	2	MECH 001(P)
CE	402B	Fluid Mechanics	2	0	2	PHYS 001C(P)
GEC	008	Ethics	3	0	3	
MATH	012B	Numerical Methods and Analysis	2	3	3	EEM 001(C)
PE	004	Physical Activities Toward Health and Fitness 4 (PATHfit 4)	2	0	2	PE 003(P)
I		TOTAL	22	9	25	
THIRD YEAR,	FIRST SEM	ESTER (27 UNITS)				•
EE	301	Integration Course for Mathematics	2	0	2	EEM 001(P)
CPE	004	Logic Circuits and Switching Theory	3	3	4	ECE 007A(P)
EE-ELEC	1	ELECTIVE 1	3	0	3	3rd Year Standing
ECE	003	Industrial Electronics	3	3	4	ECE 007A(P)



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COURS	E CODE	DESCRIPTIVE TITLE	LEC HOURS	LAB HOURS	CREDIT UNITS	PRE-REQUISITE(S)/CO-REQUISIT
EE	023	Electrical Machines 1	2	0	2	EE 021(P) EE 022(P)
GEC	002	Readings in Philippine History	3	0	3	
CHEM	004	Materials Science and Engineering	3	0	3	CE 003B(P) CHEM 001C(P)
SOCSC	005	Life and Works of Rizal	3	0	3	
ME	005	Engineering Economy	3	0	3	MATH 019A(P)
		TOTAL	25	6	27	
		EMESTER (25 UNITS)				
EE	024	Electrical Machines 2	3	3	4	EE 023(P)
EE	025	Electrical Apparatus and Devices	2	3	3	EE 021(P) MATH 019A(P)
CPE	006	Microprocessor Systems	3	3	4	CPE 004(P)
EE	302	Integration Course for Engineering Sciences	2	0	2	3rd Year Standing,EE 301(P)
EE	026	Research Methods	0	3	1	MATH 019A(P)
EE	027	EE Law, Codes and Professional Ethics	2	0	2	GEC 008(P)
CADD	001B	Computer - Aided Drafting and Design	0	3	1	ITE 001B(P)
ECE	011A	Principles of Electronic Communications	3	0	3	ECE 007A(P)
EE	028	Control System Analysis	2	0	2	ECE 007A(P) EEM 001(P)
EE-ELEC	2	ELECTIVE 2	3	0	3	EE-ELEC 1(P)
		TOTAL	20	15	25	
THIRD YEAR EE	, SUMMER (029	2 UNITS) On-the-Job-Training	0	240	2	3rd Year Standing
	029	TOTAL	0	240 240	2	Sid fear Standing
		VED TO TAKE FOURTH YEAR PROFESSIONAL COURS		-		
	AR, FIRST SE					
EE	030	Electrical Standards and Practices	0	3	1	EE 027(P)
		· · · · ·	0	3 3	1	EE 027(P) EE 035(C)
EE	030	Electrical Standards and Practices Power Plant Engineering and Generating Substation				
EE	030	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design	0	3	1	EE 035(C)
EE EE EE	030 036 037	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design	0	3	1 3	EE 035(C) EE 035(C)
EE EE EE EE	030 036 037 035	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis	0 2 3	3 3 3	1 3 4	EE 035(C) EE 035(C) EE 024(P) EE 025(P)
EE EE EE EE EE	030 036 037 035 031	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design	0 2 3 3	3 3 3 6	1 3 4 5	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P)
EE EE EE EE EE EE	030 036 037 035 031 034	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1	0 2 3 3 2	3 3 3 6 3	1 3 4 5 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P)
EE EE EE EE EE EE EE	030 036 037 035 031 034 033	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control	0 2 3 3 2 2 2	3 3 3 6 3 3	1 3 4 5 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P)
EE EE EE EE EE EE EE GEC	030 036 037 035 031 034 033 001	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self	0 2 3 3 2 2 2 3	3 3 6 3 3 0	1 3 4 5 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P)
EE EE EE EE EE GEC EE-ELEC	030 036 037 035 031 034 033 001 3 AR, SECOND	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS)	0 2 3 3 2 2 2 3 3 3 18	3 3 6 3 3 0 0 24	1 3 4 5 3 3 3 3 3 26	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P)
EE EE EE EE EE GEC EE-ELEC FOURTH YEA GEE	030 036 037 035 031 034 033 001 3 AR, SECOND 003	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3	0 2 3 3 2 2 2 3 3 3 18 3	3 3 6 3 3 0 0 24	1 3 4 5 3 3 3 3 3 26 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P)
EE EE EE EE EE EE EE-ELEC FOURTH YEA GEE EE	030 036 037 035 031 034 033 001 3 AR, SECOND 003 032	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects	0 2 3 2 2 2 3 3 3 18 3 2 2	3 3 6 3 3 0 0 24	1 3 4 5 3 3 3 3 3 26 3 2	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P)
EE EE EE EE EE EE EE-ELEC FOURTH YE/ GEE EE EE	030 036 037 035 031 034 033 001 3 AR, SECOND 003 032 040	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2	0 2 3 3 2 2 3 3 3 18 3 18 3 2 1	3 3 6 3 3 0 0 0 24 0 6	1 3 4 5 3 3 3 3 3 26 3 2 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P)
EE EE EE EE EE EE EE-ELEC FOURTH YEA GEE EE EE EE EE EE GEC	030 036 037 035 031 034 033 001 3 XR, SECOND 003 003 032 040 007	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society	0 2 3 3 2 2 2 3 3 3 18 3 2 1 3 2 1 3 3 2 1 3	3 3 6 3 3 0 0 0 24 0 0 6 0 0	1 3 4 5 3 3 3 3 3 26 3 2 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE-ELEC FOURTH YEA GEE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 001 3 AR, SECOND 003 032 040 007 003 038	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering	0 2 3 3 2 2 2 3 3 3 18 3 2 1 3 3 0	3 3 6 3 3 0 0 24 0 24 0 6 0 3	1 3 4 5 3 3 3 3 3 26 3 2 3 3 1	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P)
EE EE EE EE EE EE EE-ELEC FOURTH YEA GEE EE EE EE GEC EE EE EE EE	030 036 037 035 031 034 033 001 3 3 AR, SECOND 003 032 040 007 038 402	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering	0 2 3 3 2 2 2 3 3 3 3 18 3 18 3 2 1 1 3 0 2 2	3 3 6 3 3 0 0 24 0 24 0 6 0 0 6 0 3 3 0	1 3 4 5 3 3 3 3 3 26 3 2 3 3 1 2 3 1 2	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE-ELEC FOURTH YE/ GEE EE EE EE GEC EE EE EE GEC	030 036 037 035 031 034 033 001 3 3 AR, SECOND 003 032 040 007 038 402 003	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World	0 2 3 3 2 2 3 3 3 18 3 18 3 2 1 3 0 2 3 3	3 3 6 3 3 0 0 0 24 0 0 6 0 0 3 0 0 0 0 0	1 3 4 5 3 3 3 3 26 3 2 6 3 2 3 3 1 2 3 3 1 2 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 001 3 001 3 001 3 003 003 032 040 007 038 402 003 573	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 3 3 2 1 3 3 0 2 3 3 3 3 3	3 3 6 3 3 0 0 24 0 24	1 3 4 5 3 3 3 3 26 3 2 3 3 2 3 3 1 2 3 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE-ELEC FOURTH YE/ GEE EE EE EE GEC EE EE EE GEC	030 036 037 035 031 034 033 001 3 3 AR, SECOND 003 032 040 007 038 402 003	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 1 3 0 2 1 3 0 2 3 3 3 3 3 3 3 3	3 3 6 3 0 0 24 0 0 0 6 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	1 3 4 5 3 3 3 3 26 3 3 2 3 3 1 2 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE GEC IE GEC IE GEC	030 036 037 035 031 034 033 001 3 001 3 001 3 001 3 001 3 002 040 007 003 032 040 007 038 402 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 3 3 2 1 3 3 0 2 3 3 3 3 3	3 3 6 3 3 0 0 24 0 24	1 3 4 5 3 3 3 3 26 3 2 3 3 2 3 3 1 2 3 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 001 3 001 3 001 3 001 3 002 003 003 007 003 007 003 007 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 1 3 0 2 1 3 0 2 3 3 3 3 3 3 3 3	3 3 6 3 0 0 24 0 0 0 6 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	1 3 4 5 3 3 3 3 26 3 3 2 3 3 1 2 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P)
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 032 040 003 032 040 007 038 402 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation TOTAL TOTAL	0 2 3 3 2 2 2 3 3 3 3 18 3 2 1 3 3 2 1 3 3 3 3 3 3 3 20	3 3 6 3 0 0 24 0 0 24 0 0 0 0 0 0 0 0 0 0 0 9	1 3 4 5 3 3 3 3 26 3 3 26 3 3 2 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P) 4th Year Standing
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 032 040 003 032 040 007 038 402 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation Power System Reliability and Planning Power System Reliability and Planning	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 1 3 0 2 1 3 3 0 2 2 3 3 3 3 20	3 3 3 6 3 0 0 24 0 24 0 0 0 0 0 0 0 0 0 0 0 0 9 9	1 3 4 5 3 3 3 26 3 2 3 3 1 2 3 3 3 23 3 3 3 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P) 4th Year Standing EE 021(P) MATH 019A(P)
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 032 040 003 032 040 007 038 402 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation TOTAL	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 3 3 0 2 1 3 3 0 2 2 3 3 3 3 20	3 3 3 6 3 0 0 24 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0	1 3 4 5 3 3 3 26 3 2 3 3 1 2 3 3 3 23 3 3 3 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P) 4th Year Standing 4th Year Standing EE 021(P) MATH 019A(P) TE1-PSE1(P)
EE EE EE EE EE EE EE EE EE EE EE EE EE	030 036 037 035 031 034 033 001 3 032 040 003 032 040 007 038 402 003 573 006	Electrical Standards and Practices Power Plant Engineering and Generating Substation Design Distribution Systems and Substation Design Power Systems Analysis Electrical Systems and Illumination Engineering Design EE Design Project 1 Instrumentation and Control Understanding the Self ELECTIVE 3 TOTAL SEMESTER (23 UNITS) General Education Elective 3 Management of EE Projects EE Design Project 2 Science, Technology and Society Seminars/Colloquia for Electrical Engineering Integration Course for Electrical Engineering The Contemporary World Basic Occupational Safety and Health Art Appreciation Power System Reliability and Planning Power System Reliability and Planning	0 2 3 3 2 2 2 3 3 3 18 3 18 3 2 1 1 3 0 2 1 3 3 0 2 2 3 3 3 3 20	3 3 3 6 3 0 0 24 0 24 0 0 0 0 0 0 0 0 0 0 0 0 9 9	1 3 4 5 3 3 3 26 3 2 3 3 1 2 3 3 3 23 3 3 3 3 3 3 3 3 3 3 3 3 3	EE 035(C) EE 035(C) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 024(P) EE 025(P) EE 028(P) ME 005(P) Graduating EE 034(P) 4th Year Standing EE 021(P) MATH 019A(P)



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		Renewable Energy Systems and Integration	3	0	3	
		Smart Grid Application in Power System	3	0	3	ECE 011A(P) TE2-PSA1(P)
		Advanced Automation in Distribution System	3	0	3	EE 035(P) TE2-PSA2(P)
		TOTAL	9	0	9	
TRACK ELEC	TIVE 3 (Pov	ver Electronics)		<u> </u>	-	
TE-3PEL	1	Advanced Converter Control System	3	0	3	ECE 003(P) EE 028(P)
TE-3PEL	2	Magnetics for Power Converters/Inverters	3	0	3	EE 024(P) TE-3PEL 1(P)
TE-3PEL	3	Power Converters in HVDC Power System	3	0	3	TE-3PEL 2(P)
		TOTAL	9	0	9	
TRACK ELEC	TIVE 4 (Tec	hnopreneurship)		<u> </u>	-	
TECH	102	Technopreneurship 102	3	0	3	TECH 101(P)
TECH	103	Technopreneurship 103	3	0	3	TECH 102(P)
TECH	104	Technopreneurship 104	3	0	3	TECH 103(P)
		TOTAL	9	0	9	
TRACK ELEC	TIVE 5 (Rai	way Engineering)				-
RWE	001	Introduction to Railway Systems and Engineering	3	0	3	EE 023(P) EE 037(C)
RWE	002	Railway Management, Governance, and Operations	3	0	3	RWE 001(P)
RWE	003	Railway Power System and Protection	3	0	3	EE 035(P) RWE 002(P)
		TOTAL	9	0	9	
TRACK ELEC	TIVE 6 (Bat	tery Storage System and Technology)				
		Battery Storage System and Control Engineering	3	0	3	EE 024(P) EE 028(P)
		Battery Storage System for Hybrid Power System	3	0	3	ECE 003(P) TE6-BS01(P)
		Advanced Battery Management for E-Vehicles	3	0	3	CPE 006(P) TE6-BS02(P)
		TOTAL	9	0	9	

CREDENTIALS PRESENTED:

DEFICIENCY/IES:

() F137A () NSO Birth Certificate
() F138 () HD
() GMC () TOR

Evaluated By:	LEGEND
Date:	P = Pre-requisite
Received By:	C = Co-requisite
Date:	

NOTE: EVALUATION IS TENTATIVE AND MAY BE REVISED FOR SOME VALID CAUSES OR REASONS OR IF OMISSIONS AND/OR LACK OF UNITS CREDITED BE DISCOVERED LATER.