## Bachelor of Science in Electrical Engineering 2022 Curriculum

Reference: CMO No.88 series of 2017

FIRST YEAR - First Semester										
Course	Course Title	Hour/s		Credit	Dec Demilia	Co Domistri				
Code		Lec	Lab	Unit/s	Pre-Requisite	Co-Requisite				
CHEM 1A	Chemistry for Engineers	3	3	4						
EN +	Enhanced Communication Skills	3	0	3						
FEMA	Fundamental Engineering Mathematics	4	0	4		MTN 4				
FILN 1	Kontekstwalisadong Komunikasyon sa Filipino	3	0	3						
GEC 2AA	Readings in Philippine History (with IP Education)	3	0	3						
GEC 4	Mathematics in the Modern World	3	0	3						
MTN 4	Calculus I	3	0	3		FEMA				
PEEC 112	Electrical Engineering Workshop	0	3	1		I LIVI/ (				
	Physical Activities Towards Health and Fitness 1 (PATHFit 1)	•								
PE 1B	Movement Competency Training	2	0	2						
NSTP 1	National Service Training Program (Common Module) I	3	0	3						
1011	Subtotal	27	6	29						
	FIRST YEAR - S		_	_						
Course			ur/s	Credit						
Code	Course Title	Lec	Lab	Unit/s	Pre-Requisite	Co-Requisite				
GEC 1	Understanding the Self	3	0	3						
GEC 3A	The Contemporary World (with Peace Education)	3	0	3						
GEC 5	Purposive Communication	3	0	3	EN+					
GEC 7	Science, Technology and Society	3	0	3	EIV '					
GEE 7	Gender and Society	3	0	3						
MTN 5	Calculus II	3	0	3	MTN 4, FEMA					
PHYS 121	Physics for Engineers I	3	3	4	MTN 4, FEMA	MTN 5				
PHYS 122	Physics for Engineers II	1	3	2	MTN 4, FEMA	MTN 5, PHYS 121				
PE 2B	Physical Activities Towards Health and Fitness 2 (PATHFit 2) Exercise-based Fitness Activities	2	0	2	PE 1B					
NSTP 2	National Service Training Program (CWTS/LTS/ROTC) II	3	0	3	NSTP 1					
11011 -	Subtotal				11011					
	Subtotal	21	6	29						
		27 - First	·	29 ster						
Course	SECOND YEAR	- First	Semes	ster						
Course Code		- First	Semes ur/s	Credit	Pre-Requisite	Co-Requisite				
Code	SECOND YEAR Course Title	- First Hot Lec	Semes ur/s Lab	ster	Pre-Requisite	Co-Requisite				
Code ECN 1A	Course Title  Computer Fundamentals and Programming	- First Hot Lec	Semes ur/s Lab	Credit Unit/s	-	•				
Code ECN 1A EDA 101	Course Title  Computer Fundamentals and Programming Engineering Data Analysis	- First Hot Lec	Semes ur/s Lab	Credit	Pre-Requisite MTN 4	Co-Requisite MTN 5				
Code ECN 1A EDA 101 GEC 6	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation	- First Hoo Lec 0 3	Semes ur/s Lab 3	Credit Unit/s	-	•				
Code ECN 1A EDA 101	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics	- First Hoo Lec 0 3	Semes ur/s Lab 3 0	Credit Unit/s	-	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies	- First Hot Lec 0 3 3 3 3	Semes ur/s Lab 3 0 0	Credit Unit/s 1 3 3	-	•				
Code ECN 1A EDA 101 GEC 6 GEC 8	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics	- First Hor Lec 0 3 3 3	Semes ur/s Lab 3 0 0 0 0	Credit Unit/s 1 3 3 3	-	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era	- First	Semes ur/s Lab 3 0 0 0 0 0	Credit Unit/s 1 3 3 3 3	MTN 4	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics	- First Hot Lec 0 3 3 3 3 3 3 3	Semes   ur/s   Lab   3   0   0   0   0   0   0   0   0   0	Credit Unit/s 1 3 3 3 3 3	MTN 4  MTN 5, PHYS 121, PHYS 122	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations	- First Hot Lec 0 3 3 3 3 3 3 3	Semes ur/s Lab 3 0 0 0 0 0 0 0 0	Credit Unit/s 1 3 3 3 3 3 3	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal	- First Hoo Lec 0 3 3 3 3 3 3 3 3 3 2 2	Semes ur/s  Lab  3  0  0  0  0  0  0  0  0  6	Credit   Unit/s   1   3   3   3   3   3   3   3   3   4   2   28   28	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)	- First Hot Lec 0 3 3 3 3 3 3 2 26 Secon	Semes ur/s Lab 3 0 0 0 0 0 0 0 0 0 0 d 0 d Semes	Credit   Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122	-				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -	- First Hot Lec 0 3 3 3 3 3 3 2 26 Secon	Semes ur/s  Lab  3  0  0  0  0  0  0  0  0  6	Credit   Unit/s   1   3   3   3   3   3   3   3   3   4   2   28   28	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR - Course Title	- First Hot Lec 0 3 3 3 3 3 3 2 26 Secon	Semes ur/s Lab 3 0 0 0 0 0 0 0 0 0 0 d 0 d Semes	Credit   Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122	•				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR - Course Title  Electronic Circuits: Devices and Analysis	- First Hotel	Semes ur/s  Lab  3  0  0  0  0  0  0  0  d  6  d Semes	Credit   Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics	- First Hotel	Semes	Credit Unit/s  1 3 3 3 3 3 4 2 28 ester Credit Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211  PHYS 121, PHYS 122, MTN 6	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications	- First Hotel Lec 0 3 3 3 3 3 3 3 4 2 26 Secon Hotel Lec 3 3 0	Semes	Credit   Unit/s   1   3   3   3   3   3   3   4   2   28	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications Computer-Aided Drafting	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 0 0	Semes	Credit   Unit/s   1   3   3   3   3   3   3   4   2   28   ester   Credit   Unit/s   4   3   1   1   1	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 0 0 3	Semes	Credit   Unit/s   1   3   3   3   3   3   3   4   2   28   ester   Credit   Unit/s   4   3   1   1   3   3	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 0 0 3 2	Semes   ur/s   Lab   3   0   0   0   0   0   0   0   0   0	Credit   Unit/s   1   3   3   3   3   3   3   3   4   2   28   ester   Credit   Unit/s   4   3   1   1   3   2	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A MECH 3B	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics Mechanics of Deformable Bodies	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 3 0 0 3 2 2	Semes   ur/s   Lab   3   0   0   0   0   0   0   0   0   0	Credit   Unit/s   1   3   3   3   3   3   3   3   4   2   28     Credit   Unit/s   4   3   1   1   3   2   2   2	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122  MECH 1A	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A MECH 3B PEEC 221	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics Mechanics of Deformable Bodies Electrical Circuits II	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 3 0 0 3 2 2 3	Semes	Credit   Unit/s   1   3   3   3   3   3   3   3   4   2   2   2   4   1   3   2   2   4   4   3   2   2   4   4   3   2   2   4   4   4   3   2   2   4   4   4   4   5   6   6   6   6   6   6   6   6   6	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122  MECH 1A  PEEC 211	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A MECH 3B	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics Mechanics of Deformable Bodies Electrical Circuits II Engineering Math for EE	- First Hotel Lec 0 3 3 3 3 3 3 3 2 26 Secon Hotel Lec 3 3 0 0 3 2 2	Semes   ur/s   Lab   3   0   0   0   0   0   0   0   0   0	Credit   Unit/s   1   3   3   3   3   3   3   3   4   2   28     Credit   Unit/s   4   3   1   1   3   2   2   2	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122  MECH 1A	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A MECH 3B PEEC 221	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal  SECOND YEAR -  Course Title  Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics Mechanics of Deformable Bodies Electrical Circuits II Engineering Math for EE Physical Activities Towards Health and Fitness 4 (PATHFit 4) Sports (Team Sports)	- First Hotel	Semes   ur/s   Lab   3   0   0   0   0   0   0   0   0   0	Credit   Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122  MECH 1A  PEEC 211	MTN 5				
Code ECN 1A EDA 101 GEC 6 GEC 8 GEE 15 GEE 4 MECH 1A MTN 6 PEEC 211 PE 3AB  Course Code ACE 221 ACE 222 ACE 225 BES 01 BES 02 ME 211A MECH 3B PEEC 221 PEEC 222	Course Title  Computer Fundamentals and Programming Engineering Data Analysis Art Appreciation Ethics ASEAN Culture and Studies Living in the IT Era Engineering Mechanics Differential Equations Electrical Circuits I Physical Activities Towards Health and Fitness 3 (PATHFit 3) Sports (Individual/Dual Sports)  Subtotal  SECOND YEAR -  Course Title  Electronic Circuits: Devices and Analysis Electromagnetics Programming for EE Applications Computer-Aided Drafting Engineering Economics Basic Thermodynamics Mechanics of Deformable Bodies Electrical Circuits II Engineering Math for EE Physical Activities Towards Health and Fitness 4 (PATHFit 4) Sports	- First Hor Lec 0 3 3 3 3 3 3 3 3 4 2 26 Secon Hor Lec 3 3 0 0 3 2 2 3 3 3	Semes	Credit Unit/s	MTN 4  MTN 5, PHYS 121, PHYS 122  MTN 5  MTN 5, PHYS 121, PHYS 122  PE 2B  Pre-Requisite  PEEC 211  PHYS 121, PHYS 122, MTN 6  ECN 1A  EDA 101  CHEM 1A, PHYS 121, PHYS 122  MECH 1A  PEEC 211  MTN 6	MTN 5				

ACE 312 F ACE 313 N EN 1 S ME 314A P PEEC 311B P PEEC 312 F PEEC 313 F	Course Title  Logic Circuits and Switching Theory  Fundamentals of Electronic Communication  Materials Science and Engineering	Hou Lec 2	ur/s Lab	Credit Unit/s	Pre-Requisite	Co-Requisite
ACE 311 L ACE 312 F ACE 313 N EN 1 S ME 314A F PEEC 311B F PEEC 312 F PEEC 313 F	Logic Circuits and Switching Theory Fundamentals of Electronic Communication				-	Co-Requisite
ACE 312 F ACE 313 N EN 1 S ME 314A F PEEC 311B E PEEC 312 E PEEC 313 E	Fundamentals of Electronic Communication	2	1			
ACE 313 N EN 1 S ME 314A P PEEC 311B P PEEC 312 P PEEC 313 F			3	3	ACE 221	
EN 1 S ME 314A F PEEC 311B E PEEC 312 E PEEC 313 E	Materials Coiones and Engineering	3	0	3	ACE 221	
ME 314A F PEEC 311B F PEEC 312 F PEEC 313 F	Materials Science and Engineering	2	0	2	CHEM 1A, MECH 3B	
PEEC 311B E PEEC 312 E PEEC 313 E	Scientific and Technical Writing	3	0	3		
PEEC 312 E	Fluid Mechanics	2	0	2	MECH 1A	
PEEC 313	Electrical Circuits III	2	3	3	PEEC 221	
	Electrical Machines I	3	3	4	ACE 222, PEEC 221	
	EE Law, Codes, and Professional Ethics	2	0	2	GEC 8	
PEEC 314 F	Feedback Control Systems	3	0	3	ACE 221, PEEC 222	PEEC 311B
PEEC 315	Numerical Methods and Analysis	2	3	3	ACE 225, PEEC 222	
	Subtotal	24	12	28		
	THIRD YEAR - S	Second	Seme	ster		
Course	Course Title	Ho	ur/s	Credit Unit/s	Pre-Requisite	Co-Requisite
Code		Lec	Lab			
ACE 321	Industrial Electronics	3	3	4	ACE 221	
ACE 322	Microprocessor Systems	2	3	3	ACE 311	
ACE 323	Basic Occupational Safety and Health	3	0	3	PEEC 313	
	Technopreneurship 101	3	0	3		
	Electrical Machines II	3	3	4	PEEC 311B, PEEC 312	
	Electrical Apparatus and Devices	2	3	3	PEEC 311B	PEEC 321
	Electrical Standards and Practices	0	3	1	BES 01, PEEC 313	PEEC 321
	Research Methods	0	3	1	EN 1, EDA 101	PEEC 321
PEEC 325	Management of Engineering Projects	2	0	2	PEEC 313, BES 02	<u> </u>
	Subtotal	18	18	24		
	THIRD YEA					
Course	Course Title	Ho	ur/s	Credit	Pre-Requisite	Co-Requisite
Code	Course Title	Lec	Lab	Unit/s	-	- Toyalono
OJT-EE	On-the-Job Training (280 hours)	3	0	3	4th Year Standing, PEEC 321, PEEC	I
001 22					322, PEEC 323	
	Subtotal	3	0	3		
	FOURTH YEAR					
Course	Course Title	Hour/s		Credit	Pre-Requisite	Co-Requisite
Code		Lec	Lab	Unit/s		
	The Life and Works of Rizal	3	0	3		
	Electrical Systems and Illumination Engineering Design	3	6	5	PEEC 321, PEEC 322, PEEC 323	DEE0 444
	Power Transmission Design	3	0	3	PEEC 321, PEEC 322	PEEC 411
	Capstone Project I	0	3	1	PEEC 324A, PEEC 325	PEEC 411
	EE Elective I	3	0	3	4th Year Standing	PEEC 411
	Special Topics in Mathematics	0	6	2	4th Year Standing	PEEC 411
PEEC 417	Instrumentation and Control	2	3	3	ACE 321, PEEC 314	
	Subtotal	14	18	20		
Course	FOURTH YEAR -					
Code	Course Title	_	ur/s	Credit Unit/s	Pre-Requisite	Co-Requisite
Code	Environmental Caionas and Engineering	Lec	Lab		CLIENA 4 A	
	Environmental Science and Engineering Power System Analysis	3	3	2 4	CHEM 1A PEEC 411, PEEC 412	
	Distribution Systems and Substation Design	2	3	3	PEEC 411, PEEC 412 PEEC 411, PEEC 412	
	Fundamentals of Power Plant Engineering Design	1	3	2	PEEC 411, PEEC 412	
	Capstone Project II	0	3	1	PEEC 411, PEEC 412	
	EE Elective II	3	0	3	PEEC 415	PEEC 421
	Special Topics in Electrical Engineering	0	6	2	PEEC 416A	PEEC 421
	opodiai Topido in Electrodi Engineening					
PEEC 426A	Seminars/Colloquia	0	3	1 1	4th Year Standing	PEEC 421

Total Units = 204

Prepared by: Noted by:

GILBERT D. DEBOMA, REE

Program Chair, BS Electrical Engineering

MARLON JAMES A. DEDICATORIA, RMEE, PhD

Dean, College of Engineering

<sup>\*</sup>The nth Year Standing means that the student shall have completed atleast 75% of the load requirements of the previous year level \*Pre-requisite subjects with a grade of INC must be completed first before taking the succeeding subject