

# PAMANTASAN NG LUNGSOD NG MAYNILA

College of Engineering and Technology

BS Electrical Engineering

S.Y. 2020-2021

**Name:** Eric C. Alejandro Jr. **Entrance Date:** 2020

**Student Number:** 202010116 **Total Number of Units:** 158

First Year, Second Semester				
COURSE CODE	COURSE NAME	UNITS	PRE(CO)-REQUISITES	GRADE
CET 0121	Calculus 2	3	CET 0111	
CET 0122A	Physics for Engineers (lec)	4	(CET0111); (CET0121)	
CET 0122.1	Physics for Engineers (lab)	1	(CET0122)	
CET 0123.1	Computer Aided Drafting	1		
ITE 0001	Living in the IT Era	3		
STS 0002	Science, Technology and Society	3		
AAP 0007	Art Appreciation	3		
PCM 0006	Purposive Communications	3		
GTB 121	Great Books	3		
PED	PE Elective (12, 13, or 14)	2		
NSTP 2	National Service Training Program - ROTC 2/ CTWS 2	2		
	TOTAL	24	GWA	
Second Year, First Semester				
COURSE CODE	COURSE NAME	UNITS	PRE(CO)-REQUISITES	GRADE
ELE 0211	Electrical Circuits 1 (lec)	3	CET0121; CET0122	

ELE 0211.1	Electrical Circuits 1 (lab)	1	(ELE0211.1)	
CET 0211	Differential Equations	3	CET0121	
CET 0213	Engineering Mechanics	3	CET0122	
CET 0215	Basic Thermodynamics	2	CET0122	
UTS 0003	Understanding the Self	3		
ETH 0008	Ethics	3		
CSE 0123.1	Computer Programming	1		
PPC 121	Philippine Popular Culture	3		
PED	PE Elective (12, 13, or 14)	2		
	TOTAL	19	GWA	
Second Year, Second Semester				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE 0221	Electrical Circuits 2 (lec)	3	ELE0211	
ELE 0221.1	Electrical Circuits 2 (lab)	1	(ELE 0211)	
ELE 0222	Electromagnetics	2	CET 0122; CET 0211	
ELE 0223	Electronic Circuits: Devices and Analysis (lec)	3	ELE 0211	
ELE 0223.1	Electronic Circuits: Devices and Analysis (lab)	1	(ELE 0223)	
ELE 0224	Engineering Math for EE	3	CET 0211	
CET 0212	Engineering Data Analysis	3	CET 0111	
CET 0224	Fundamentals of Deformable Bodies	2	CET0213	
LWR0009	Life and Works of Rizal	3		
PED	PE Elective (12, 13, or 14)	2		
	TOTAL	21	GWA	
Third Year, First Semester				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE 0311	Electrical Machines 1 (lec)	2	ELE0221; ELE0222	
ELE 0312	Industrial Electronics (lec)	3	ELE0223	

ELE 0312.1	Industrial Electronics (lab)	1	(ELE0312)	
ELE 0313	Logic Circuits and Switching Theory (lec)	2	ELE0223	
ELE 0314	Numerical Methods and Analysis (lec)	2	ELE0224	
ELE 0314.1	Numerical Methods and Analysis (lab)	1	(ELE0314)	
ELE 0315	EE Laws, Codes, and Professional Ethics	2	ETH0008	
CET0213	Engineering Economics	3	CET0212	
CET0312	Material Science and Engineering	2	CET0112; CET0224	
	TOTAL	18	GWA	
Third Year, Second Semester				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE0321	Electrical Apparatus and Devices (lec)	2	ELE0221	
ELE0321.1	Electrical Apparatus and Devices (lab)	1	(ELE0321)	
ELE0322	Electrical Machines 2 (lec)	3	ELE0311	
ELE0322.1	Electrical Machines 2 (lab)	1	(ELE0322)	
ELE 0323	Feedback and Control System	2	ELE 0223; ELE 0224	
ELE 0324	Fundamentals of Electronic Communications	3	ELE 0223	
ELE 0325	Microprocessor Systems (lec)	3	ELE 0313	
CET 0321	Fluid Mechanics	2	CET 0122	
CHE0329	Environmental Science and Engineering	2	CET0112	
	TOTAL	18	GWA	
Third Year, Summer				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE0331. A	On-the-Job Training for EE (Lec)	3	In-coming 4th Yr	
ELE0331.1	On-the-Job Training for EE (Lab)	1		
	TOTAL	4	GWA	
Fourth Year, First Semester				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE 0411	EE Elective 1	3		

ELE 0412.1	Electrical Standards and Practices	1	ELE 0315	
ELE0413	Electrical Systems and Illumination Engineering Design (lec)	3	ELE0322	
ELE0413.1	Electrical Systems and Illumination Engineering Design (des)	2	(ELE0413)	
ELE0414	Instrumentation and Control (lec)	2	ELE0323	
ELE0414.1	Instrumentation and Control (lab)	1	(ELE0414)	
ELE 0415	Management of Engineering Projects	2	CET 0213	
ELE 0416.1	Research Methods	1	CET 0212	
CET 0411	Technopreneurship	3		
	TOTAL	18	GWA	
Fourth Year, Second Semester				
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>UNITS</b>	<b>PRE(CO)-REQUISITES</b>	<b>GRADE</b>
ELE 0421	EE Elective 2	3		
ELE 0422	Basic Occupational Safety and Health	3		
ELE 0423	Distribution Systems and Substation Design (lec)	2	ELE 0412.1	
ELE 0423.1	Distribution Systems and Substation Design (des)	1	(ELE 0423)	
ELE 0424.1	Fundamentals of Power Plant Engineering Design	1	ELE 0412.1	
ELE 0425	Power System Analysis (lec)	3	(ELE0412.1)	
ELE 0425.1	Power System Analysis (lab)	1	(ELE 0425)	
ELE 0426.1	Research Project	1	ELE 0416.1	
ELE0427.1	Seminars/Colloquia	1		
	TOTAL	16	GWA	