

College	College of Engineering	Department	Electrical Engineering and Computer Science
Program	Electrical Engineering	Degree Level	Bachelor of Technology
Total Credit Hours	127 CH	Applicable for a batch of	2019 and after

Year One		Year Two		Year Three		Year Four	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ENGR111 Computer Applications	EETE1021 Digital Systems Pre-R: MATH101	ENGR201 Engineering Drawing	EETE315 Complex Variables and Applications Pre-R: MATH102	EETE3011 Power Systems II Pre-R: EETE2024	MATH204 Probability and Statistics Pre-R: MATH102	EETE411 High Voltage Engineering Pre-R: EETE2024	EETE421 Industrial Instrumentation Pre-R: EETE3021
ISLM101 Islamic Civilization	EETE1022 Circuits Theory I Pre-R: MATH101	EETE2011 Fundamentals of Electronics Pre-R: EETE1022	EETE2022 Measurement and Instrumentation Pre-R: EETE2012	EETE3012 Electrical Machines II Pre-R: EETE2023	EETE413 Microprocessor and Microcontrollers Pre-R: EETE1021 & ENGR111	Electrical Engineering Technology Elective	Electrical Engineering Technology Elective
PHYS111 Applied Physics	MATH102 Calculus II Pre-R: MATH101	EETE2012 Circuits Theory II Pre-R: EETE1022	EETE2023 Electrical Machines I Pre-R: EETE2012	EETE4011 Power Electronics Pre-R: EETE2011	ENGR331 Applied Engineering Mathematics Pre-R: MATH102	EETE412 Capstone Design Project I Pre-R: 85CH	Electrical Engineering Technology Elective
ENGL101 English Communication Skills I	CHEM111 Applied Chemistry	EETE2021 Renewable Energy Pre-R: EETE1022	EETE2024 Power Systems I Pre-R: EETE2012	ECEN341 Signals and Systems Pre-R: MATH102	EETE415 Power System Protection Pre-R: EETE2024	MNGT313 Entrepreneurship Pre-R: 60CH	EETE422 Capstone Design Project II Pre-R: EETE412
MATH101 Calculus I	ENGL102 English Communication Skills II Pre-R: ENGL101			EETE314 Electromagnetic Fields Pre-R: MATH102 & EETE1022	EETE3021 Control Systems Pre-R: ECEN341	EETE4012 Introduction to Communication Systems Pre-R: ECEN341	EETE423 Power System Operation and Control Pre-R: EETE3011 & EETE3021
					ENGR322 Summer Internship Pre-R:85 CH		
15 CH	17 CH	15 CH	15 CH	18 CH	16 CH	16 CH	15 CH

List of Elective Courses:

A student must register for **3** courses with a total of **9** credits following the program study plan.

Course Code	Course Title	Pre-Requisites	Credits
EETE416	Electric Distribution	EETE2012 & EETE2024	3
EETE418	Mechatronics	EETE3021 & EETE2011	3
EETE419	Automated Control Systems	EETE3021	3
ECEN541	Digital Signal Processing	ECEN341	3
EETE424	Distributed Generation	EETE2024 & EETE3021	3
EETE425	Distributed Control Systems	EETE3021	3
EETE426	Microelectronic Systems	EETE2011	3
EETE427	Neural Networks & Fuzzy Logic	ENGR331	3
EETE428	Utilization of Electrical Energy	EETE2024	3
EETE429	Smart Grid	EETE2024	3
EETE511	Electrical Power Systems Quality	EETE2024	3
EETE512	Power Systems Control and Stability	EETE3011	3
EETE514	Power Systems Reliability and Planning	EETE2024	3
EETE515	Optimization Techniques in Engineering	ENGR331	3
EETE516	Digital Control Systems	EETE3021	3
ENGR404	Engineering Economics	-	3
ECEN515	Communication Networks	EETE4012	3
ECEN543	Wireless Communications	EETE4012	3
OJTR406	Industrial Internship I	85 credits	0
OJTR407	Industrial Internship II	OJTR406	0