

Program's Name: «Electrical and Electronic Engineering (4 Years/240 ECTS, B.Sc.)»

Coordinator: Dr. Konstantinos Katzis

DEGREE REQUIREMENTS		
General Education Requirements		
ENL102	Upper Intermediate English	TBA
Science Requirements		
PHY100	Physics I	Haris Christodoulou
PHY110	Physics II	Haris Christodoulou
Mathematics Requirements		
MAT140	Mathematical Foundations for Science and Engineering	Ioannis Michos
MAT150	Calculus I	Demetris Hadjiloucas
MAT160	Linear Algebra	Ioannis Michos
MAT200	Calculus II	Demetris Hadjiloucas
MAT210	Differential Equations	Evangelos Papaefthymiou
MAT225	Probability & Statistics	Demetris Hadjiloucas
Major Requirements		
CSE100	Programming Principles I – Robotics Lab	Pericles Leng Cheng
CSE300	Data Communications and Computer Networks	Katerina Papanikolaou
ECE105	Problem-Solving Fundamentals & Measurements	Pericles Leng Cheng
ECE200	Digital Systems I	Christos Dimopoulos
ECE205	Circuits & Electronics I	Leonidas Koufopavlou
ECE210	Computer Organization & Architecture	Christos Dimopoulos Andreas Naziris

ECE220	Circuits & Electronics II & Laboratory	Konstantinos Katzis Constantinos Loizou
ECE225	Electric and Magnetic Fields	Andreas Naziris
ECE230	Signals & Systems Theory	George Hadjichristofi
ECE240	Numerical Analysis	Kyriacos Parides
ECE300	Digital Systems II & Laboratory	George Hadjichristofi
ECE310	Embedded Systems & Laboratory	Pericles Leng Cheng
ECE320	Power Engineering	Leonidas Koufopavlou
ECE325	Introduction to Communication Systems	Konstantinos Katzis Constantinos Loizou
ECE340	Power Electronics	Leonidas Koufopavlou
ECE345	Electromechanical Energy Conversion	Antonios Constantinides
ECE401	Control Systems Theory & Laboratory	Christos Kettenis
ECE410	Power Systems: Analysis	Antonios Constantinides
ECE480	Electrical Energy: Generation, transportation and distribution	Leonidas Koufopavlou
ECE496	Senior Design Project	Konstantinos Katzis
Major Electives (Students select five (5) of the following courses)		
ECE305	Advanced Computer Organization and Architecture	Christos Dimopoulos
ECE361	Network Fundamentals	Pericles Leng Cheng George Hadjichristofi
ECE368	Routing & Switching	Pericles Leng Cheng
ECE405	Wireless & Mobile Networks	Konstantinos Katzis
ECE419	Internship Project	Konstantinos Katzis
ECE425	Digital Signal Processing	TBA
ECE435	Microwave and Optical Transmission	Konstantinos Katzis
ECE442	Renewable Energy Sources	Constantina Panagiotou
ECE445	Photovoltaic Technologies	Constantina Panagiotou
ECE451	Contemporary Topics	TBA

ECE455	Electrical Integration of Renewable Technologies	Constantina Panagiotou
ECE465	Wiring Regulations: Explained and Illustrated	Antonios Constantinides
ECE470	Wiring Regulations: Design and verification of electrical installations	Antonios Constantinides
Free Electives		