

**Name of Program:           Electrical and Electronic Engineering**

- **ELECTRICAL**
- **ELECTRONIC**

**(BACHELOR OF SCIENCE)**

**Coordinator: Dr. Konstantinos Katzis**

<b>GENERAL EDUCATION REQUIREMENTS</b>		<b>Instructors/CVs</b>
COM 101	Public Speaking	<a href="#">Krystallo Nicolaou</a>
ENG 103	Instruction in Expository Writing	<a href="#">Stavros Karayiannis</a>
CSC 135	Writing for Computer Science & Engineering	<a href="#">Andreas Grondoudis</a>
PSY 103	Introduction to Psychology	<a href="#">Constantinos Michael</a>
General Education Electives		
<b>SCIENCE REQUIREMENTS</b>		
PHY 101	Introductory Physics I	<a href="#">Haris Christodoulou</a>
PHY 102	Introductory Physics II	<a href="#">Haris Christodoulou</a>
PHY 161	Introductory Physics I Laboratory	<a href="#">Haris Christodoulou</a>
PHY 162	Introductory Physics II Laboratory	<a href="#">Haris Christodoulou</a>

<b>MATHEMATICS REQUIREMENTS</b>		
MAT 101	Calculus I	<a href="#">Evangelos Papaefthymiou</a>
MAT 102	Calculus II	<a href="#">Ioannis Michos</a>
MAT 202	Differential Equations	<a href="#">Haris Christodoulou</a>
MAT 203	Multivariable Calculus	<a href="#">Haris Christodoulou</a>
MAT 206	Linear Algebra	<a href="#">Savvas Papapanayides</a>
MAT 217	Probability & Statistics	<a href="#">Demetris Hadjiloucas</a>
<b>MAJOR REQUIREMENTS</b>		
CSC 131	Programming Principles I	<a href="#">Pericles Leng Cheng</a>
ECE 100	Electric Circuits I	<a href="#">Leonidas Koufopavlou</a>
ECE 101	Electric Circuits I	<a href="#">Christos Kettenis</a>

ECE 141	Electric Circuits I Laboratory	<a href="#">Christos Kettenis</a>
ECE 202	Electric Circuits II	<a href="#">Leonidas Koufopavlou</a>
ECE 211	Electronics I	<a href="#">Katerina Papanikolaou</a>
ECE 212	Electronics II	<a href="#">Konstantinos Katzis</a>
ECE 213	Digital Logic	<a href="#">Christos Dimopoulos</a>
ECE 215	Computer Organization & Architecture	<a href="#">Christos Dimopoulos</a>
ECE 242	Electric Circuits II Laboratory	<a href="#">Leonidas Koufopavlou</a>
ECE 271	Electronics I Laboratory	<a href="#">Katerina Papanikolaou</a>
ECE 272	Electronics II Laboratory	<a href="#">Konstantinos Katzis</a>
ECE 273	Digital Logic Design Laboratory	<a href="#">Christos Dimopoulos</a>
ECE 322	Data Communications and Computer Networks	<a href="#">Katerina Papanikolaou</a>
ECE330	Introduction to Communication Systems	<a href="#">Katerina Papanikolaou</a>
ECE 338	Microprocessors and Microcomputers	<a href="#">Leonidas Koufopavlou</a>
ECE 350	Signals and Systems Theory	<a href="#">Constantinos Loizou</a>
ECE 351	Electric and Magnetic Fields	<a href="#">Constantinos Loizou</a>
ECE 370	Power Engineering	<a href="#">Antonios Constantinides</a>
ECE 389	Microprocessors and Microcomputers Laboratory	<a href="#">Leonidas Koufopavlou</a>
ECE 440	Control Systems and Theory	<a href="#">Christos Kettenis</a>
ECE 441	Control Systems Laboratory	<a href="#">Christos Kettenis</a>
ECE 473	Power Electronics	<a href="#">Antonios Constantinides</a>
ECE 482	Data Communications and Computer Networks Laboratory	<a href="#">Katerina Papanikolaou</a>
ECE 491	Senior Design Project	<a href="#">Marina Nikiforou</a>
<p><b>Major Electives</b>  <b>Students must select any five (5) of the courses available from the list of major electives, some of which must be from the specialization areas "Electrical Engineering" and "Electronic Engineering" according to the requirements of the local professional certification body.</b></p>		
BUS360	Innovation and Entrepreneurship	<a href="#">Sourouklis Christakis</a>

CSC 305	Assembly Language	<a href="#">Konstantinos Katzis</a>
CSC 330	Fundamentals of Distributed Systems	<a href="#">Katerina Papanikolaou</a>
ECE 418	Internship Project	<a href="#">Christos Dimopoulos</a>
ECE 450	Contemporary Topics	<a href="#">Christos Dimopoulos</a>

**Specialization area: Electronic Engineering**

ECE 361	Network Fundamentals	<a href="#">Pericles Leng Cheng</a>
ECE 362	Routing Protocols and Concepts	<a href="#">Pericles Leng Cheng</a>
ECE 415	Embedded Systems	<a href="#">Pericles Leng Cheng</a>
ECE 431	Digital Signal Processing	<a href="#">Constantinos Loizou</a>
ECE 432	Parallel Computing	<a href="#">Vicky Papadopoulou</a>
ECE 452	Microwave and Optical Transmission	<a href="#">Konstantinos Katzis</a>
ECE 462	VLSI Design	<a href="#">Christos Dimopoulos</a>
ECE 463	FPGA Design Using VHDL	<a href="#">Christos Dimopoulos</a>

**Specialization area: Electrical Engineering**

ECE420	Renewable Energy Sources	<a href="#">Constantina Panagiotou</a>
ECE422	Photovoltaic Technologies	<a href="#">Constantina Panagiotou</a>
ECE423	Electrical Integration of Renewable Technologies	<a href="#">Constantina Panagiotou</a>
ECE471	Power Systems: Analysis	<a href="#">Antony Constantinides</a>
ECE472	Electrical Energy: Generation, Transport and Distribution	<a href="#">Constantina Panagiotou</a>
ECE474	Wiring Regulations: Explained and Illustrated	<a href="#">Antonios Constantinides</a>
ECE475	Wiring Regulations: Design and verification of electrical installations	<a href="#">Antonios Constantinides</a>

**Free Electives**

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