

**Name of Program: Computer Engineering
(BACHELOR OF SCIENCE)**

Coordinator: Dr. George Hadjichristofi

General Education Requirements		Instructors/CVs
ENL103	Instruction in Expository Writing	Claire Georgiou
CSE215	Writing for Computer Science & Engineering	Andreas Grondoudis
Science Requirements		
PHY 100	Physics I	Haris Christodoulou
PHY 110	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
MAT170	Discrete Structures	Marina Appiou-Nikiforou
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
CSE120	Programming Principles II – Robotics Lab	Andreas Grondoudis
CSE200	Data Structures & Algorithms	Alberto Calzada
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
ECE220	Circuits & Electronics II & Laboratory	Konstantinos Katzis
ECE230	Signals & Systems Theory	TBA

CSE300	Data Communications and Computer Networks	Katerina Papanikolaou
CSE320	Operating Systems	Pericles Leng Cheng
CSE405	Information Security	Yianna Danidou
ECE300	Digital Systems II & Laboratory	George Hadjichristofi
ECE305	Advanced Computer Organization and Architecture	Christos Dimopoulos
ECE310	Embedded Systems & Laboratory	Pericles Leng Cheng
ECE400	Computer Engineering Design	Konstantinos Katzis
ECE405	Wireless & Mobile Networks	Konstantinos Katzis
ECE495	Senior Design Project	Christos Dimopoulos
Major Electives (Students select four (4) of the following 9 courses)		
CSE230	Systems Analysis and Design	Yianna Danidou
CSE315	Fundamentals of Distributed Systems with Cloud computing	Katerina Papanikolaou
CSE330	Artificial Intelligence	Alberto Calzada
ECE361	Network Fundamentals	Pericles Leng Cheng
ECE362	Routing & Switching	Pericles Leng Cheng
ECE418	Internship Project	Christos Dimopoulos
ECE425	Digital Signal Processing	TBA
ECE430	Parallel & Distributed Computing	Vicky Papadopoulou
ECE450	Contemporary Topics	TBA