

**Name of Program:**

**Computer Science  
(BACHELOR OF SCIENCE)**

**Coordinator: Dr. Katerina Papanikolaou**

<b>DEGREE REQUIREMENTS</b>		<b>Instructor/CV</b>
<b>General Education Requirements</b>		
ENL103	Instruction in Expository Writing	<a href="#">Claire Georgiou</a>
CSE215	Writing for Computer Science & Engineering	<a href="#">Andreas Grondoudis</a>
<b>Mathematics Requirements</b>		
MAT170	Discrete Structures	<a href="#">Marina Appiou-Nikiforou</a>
MAT140	Mathematical Foundations for Science and Engineering	<a href="#">Ioannis Michos</a>
MAT150	Calculus I	<a href="#">Demetris Hadjiloucas</a>
MAT200	Calculus II	<a href="#">Demetris Hadjiloucas</a>
MAT160	Linear Algebra	<a href="#">Ioannis Michos</a>
MAT225	Probability & Statistics	<a href="#">Demetris Hadjiloucas</a>
N/A	Mathematics Elective*	
<b>*Mathematics Electives</b> Choose one (1) from the list below OR any from mathematics provided pre-requisites acquired		
MAT210	Differential Equations	<a href="#">Evangelos Papaefthymiou</a>
MAT203	Multivariable Calculus	<a href="#">Demetris Hadjiloucas</a>
MAT212	Introduction to Cryptography	<a href="#">Marina Appiou-Nikiforou</a>
<b>Major Requirements</b>		
CSE105	Introduction to Computer Science via Robotics	<a href="#">Pericles Leng Cheng</a> <a href="#">Christos Constantinou</a>
CSE100	Programming Principles I – Robotics Lab	<a href="#">Pericles Leng Cheng</a> <a href="#">Anastasia Ioannou</a>
CSE110	Programming Lab using Robotics	<a href="#">Pericles Leng Cheng</a> <a href="#">Anastasia Ioannou</a>

CSE120	Programming Principles II – Robotics Lab	<a href="#">Andreas Grondoudis</a>
CSE125	Computer Networking and Web technologies	<a href="#">Katerina Papanikolaou</a>
CSE200	Data Structures & Algorithms	<a href="#">Anastasia Ioannou</a>
ECE200	Digital Systems I	<a href="#">Christos Dimopoulos</a>
ECE210	Computer Organization and Architecture	<a href="#">Christos Dimopoulos</a>
CSE213	Web Programming	<a href="#">Demetris Kyriacou</a>
CSE230	Systems Analysis and Design	<a href="#">Yianna Danidou</a>
CSE225	Introduction to Robotics	<a href="#">Pericles Leng-Cheng</a>
CSE235	Programming Languages	<a href="#">Vicky Papadopoulou</a>
CSE300	Data Communications and Computer Networks	<a href="#">Katerina Papanikolaou</a>
CSE305	Systems Programming	<a href="#">Pericles Leng-Cheng</a>
CSE310	Database Management Systems	<a href="#">Pericles Leng-Cheng</a>
CSE315	Fundamentals of Distributed Systems with Cloud Computing	<a href="#">Katerina Papanikolaou</a>
CSE320	Operating Systems	<a href="#">Pericles Leng-Cheng</a>
CSE325	Software Engineering I	<a href="#">Yianna Danidou</a>
CSE330	Artificial Intelligence	<a href="#">Pericles Leng-Cheng</a>
CSE400	Theory of Computation	<a href="#">Vicky Papadopoulou</a>
CSE405	Information Security	<a href="#">Yianna Danidou</a>
CSE410	Software Engineering II	<a href="#">Yianna Danidou</a>
CSE415	Algorithms	<a href="#">Vicky Papadopoulou</a>
CSE420	Compiler Design	<a href="#">Vicky Papadopoulou</a>
CSE450	Senior Project	<a href="#">Katerina Papanikolaou</a>
<b>Major Electives</b> (Students select <b>two (2)</b> of the following courses)		
CSE335	Smart-Phone Programming	<a href="#">Andreas Grondoudis</a>

CSE340	Human Computer Interaction	<a href="#">Yianna Danidou</a>
CSE350	E-Commerce and the Internet	<a href="#">Katerina Papanikolaou</a>
CSE360	Video Game Design	<a href="#">George Antoniou</a>
CSE414	Graph Theory and Applications in Networks	<a href="#">Vicky Papadopoulou</a>
CSE418	Internship Project	<a href="#">Katerina Papanikolaou</a>
CSE425	Cybercrime concepts and Legal considerations	<a href="#">Yianna Danidou</a>
CSE440	Contemporary Topics	<a href="#">Andreas Grondoudis</a>
CIS405	Data Mining and Web Mining	TBA
ECE361	Network fundamentals	<a href="#">Pericles Leng-Cheng</a>
ECE362	Routing Protocols and Concepts	<a href="#">Pericles Leng-Cheng</a>
ECE430	Parallel Computing	<a href="#">Vicky Papadopoulou</a>
<b>Free Electives</b>		