

## **BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

### **Credit Requirements**

The program requires a minimum of 240 ECTS credits as follows:

	<b>Credits</b>
General Education Requirements	42
Mathematics Requirements	30
Major Requirements	144
Free Electives	24
<b>Total</b>	<b>240</b>

### **COURSES OFFERED**

#### **General Education Requirements**

CSC102 Computer Applications (6)  
ECO101 Principles of Microeconomics (6)  
ENG101 English Communication (6)  
ENG102 English Writing (6)  
ENG201 Advanced English (6)  
GRE101 Modern Greek (6)  
GRE201 Modern Greek II (6)  
HST101 European History (6)  
HST102 History of Cyprus (6)  
PHI101 Introduction to Philosophy (6)  
POL101 Political Studies (6)  
PSY101 Introduction to Psychology (6)  
SOC101 Principles of Sociology (6)

#### **Mathematics Requirements**

MTH102 Statistics (6)  
MTH103 Calculus (6)  
MTH104 Discrete Mathematics (6)  
MTH202 Calculus II (6)  
MTH203 Linear Algebra (6)

#### **Major Requirements**

All 108 credits from the following:

CSC101 Fundamentals of Information Technology (6)  
CSC103 Computer Programming (6)  
CSC105 Digital Logic (6)  
CSC112 Computer Programming II (6)  
CSC202 Data Structures and Algorithms (6)  
CSC203 Management Information Systems (6)  
CSC205 Systems Analysis and Design (6)  
CSC206 Computer Organization and Architecture (6)  
CSC210 Web Programming (6)  
CSC302 Databases (6)  
CSC307 Software Engineering (6)  
CSC308 Operating Systems (6)  
CSC407 Data Communications and Computer Networks (6)  
CSC410 Introduction to Artificial Intelligence (6)  
CSC414 Computer Science Project I (12)  
CSC415 Computer Science Project II (12)

36 credits from the following:

CSC310 Programming in Java (6)  
CSC311 Mobile Computing Programming (6)  
CSC312 Human Computer Interaction (6)  
CSC313 Advanced Web Programming  
CSC416 Network Security (6)  
CSC417 Cloud Computing, IoT and Wearable Technologies (6)  
CSC419 Introduction to Machine Learning (6)  
CSC420 Game Design and Development  
MAJ101 Internship

**Free Electives**

The student is free to take any course offered by the College.

The number of credits carried by each course is shown in the parenthesis following the course title.