

Courses listed may have prerequisites, co-requisites, or preparatory courses to register for the course. Please refer to the academic catalog or class schedule for the most accurate, up-to-date information.

3. **COMPUTER SCIENCE (ECS)**: The Computer Science Foundation includes courses in Computer Science and Interdisciplinary Studies (IS). Students may select either Plan A or Plan B. Basic to both Plan A and Plan B are programming skills/experience. These can be obtained through previous work experience or can be obtained by taking the following (courses in parenthesis are prerequisites or co-requisites to the course):

CS 1336/1136	Programming Fundamentals/Computer Science Laboratory
CS 1337	Computer Science I
CS 2336	Computer Science II

#### **PLAN A: THEORETICAL**

This plan can be completed without Calculus I and Calculus II if the student has mathematical aptitude as determined by the Associate Dean of Computer Science and Engineering.

12 hours from:

CS 2305/MATH 2305	Discrete Math for Computing I
CS 3305	Discrete Math for Computing II
CS 3340	Computer Architecture
CS 4337	Organization of Programming Languages
CS 4384	Automata Theory

and other approved courses in Computer Science

#### **PLAN B: PRACTICAL**

12 hours from:

CS 3335	C and C++
CS 3385	Ethics, Law, Society and Computing
CS 4336	Advanced Java
CS 4376	Object Oriented Programming Systems
ISEC 4201/4102	The Computer and the Artist/Computer Art Laboratory
ISEC 4395	Computing in Society
CS 4V95	Topics in Computer Science/Software Engineering - if relevant