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