

Computer Science Department

Suggested Sequence for ECE majors who pursue a minor in CS

Spring of Freshman year:

- Take CS 04113 IOOP instead of CS 04103 Computer Science and Programming.
CS 04113 is an acceptable substitution for CS 04103 for the ECE program.

Spring of Sophomore year:

- Take CS 04114 OODPA instead of CS 04225 Principles of Data Structures
NOTE: This guidance is to advise students taking the minor as to the next CS course to take in the ECE course sequence, as CS 04114 is a prerequisite to the required data structures course CS 04222. It does not imply equivalency.

Take ECE 09241 Digital Systems, ECE 09342 Embedded Systems, and ECE 09243 Computer Architecture as suggested by ECE Department. The following CS course requirements for the CS minor will be construed as equivalent credit when you take corresponding ECE courses:

- ECE 09243 Computer Architecture is equivalent to CS 06205 Computer Organization.
- ECE 09241 Digital Systems and ECE 09342 Embedded Systems are equivalent to CS 06310 Principles of Digital Computers and *fulfills the CS Elective required for the CS minor.*

In addition, you will need to take the following courses to receive the minor in CS:

- Math 03.160 Discrete Structures (3 credits)
NOTE: this is a pre-requisite for CS 04222 DSA and other courses, thus should be taken as early as possible.
- CS 01205 Computer Laboratory Techniques
NOTE: this is a pre-requisite/co-requisite for CS 04222 DSA
- CS 04222 DSA (4 credits)
NOTE: CS 04222 is an acceptable substitution for CS 04225 for the ECE program.

Note that MEA courses in the Engineering program are not equivalent to the Mathematics courses required for Computer Science programs.