

# CS Minor for CpE Majors

## Graduating in 2011

The following substitutions will be made after the application to minor in Computer Science has been approved:

### Students completing CpE degree requirements in 2011 and thereafter

CS 1705	ECE 1574*
CS 2505	ECE 2500
CS 2506**	ECE 3534/2534/2984 Microprocessor System Design
CS 3704 (3/4000 elective)	ECE 3574

\*Please note that the next course in sequence, CS 2114, is in Java. It is recommended that students without any Java experience should plan to acquire background in it before attempting CS 2114 Software Design and Data Structures.

\*\*Students wishing to take CS 3214 Computer Systems (previously CS 3204 Operating Systems) for the minor, will need this substitution to satisfy prerequisites. CS 2506 is not required for the minor.

All CS majors and minors (including CpE's minoring in CS) must earn a C (2.0) or better in all CS courses used as a prerequisite or co-requisite for other Computer Science courses. This rule also holds for ECE/ECPE courses substituted for CS courses. There are no exceptions to this requirement and therefore there is no appeal process.

### **To apply for the minor in CS, ECE students must:**

- 1) have taken at least one CS course that counts for the minor, typically CS 2104 or CS 2114, and earned at least a grade of C (2.0) or better.**
- 2) at the time of application meet all requirements of the minor to that point, i.e., have  $\geq$  C (2.0) in all CS courses (or ECE/ECPE courses to be substituted for CS courses) which are prerequisites for other CS courses.**
- 3) have a 2.0 CS minor GPA which includes all attempts of CS courses (and ECE/ECPE courses that are used to substitute for CS courses).**

**To apply for the minor, please come to the CS Advising Center in 114 McByte.**

**College of Engineering  
Department of Computer Science  
Minor in Computer Science  
Students Graduating in Calendar Year 2011**

CS 1705 <sup>1</sup>	Introduction to Obj-Oriented Devel I <b>or</b>	3	<u>sub ECE 1574</u>
CS 1124	Intro to Media Computation		
CS 2984/2104	Intro to Problem Solving in CS	3	_____
CS 2984/2114	Software Design & Data Structures	3	_____
CS 2984/2505 <sup>2</sup>	Intro to Computer Organization I	3	<u>sub ECE 2500</u>
CS 2984/3114 <sup>3</sup>	Data Structures & Algorithms	3	_____
CS 3/4XXX	CS Elective	3	<u>sub ECE 3574</u>
	Total		18 hours

**Courses still needed after all applicable substitutions**

**Footnotes**

- <sup>1</sup> Prerequisites are (Math 1205 or 1526) and (EngE 1024 or programming experience in C++ or Java).  
<sup>2</sup> Co-requisite is Math 2534.  
<sup>3</sup> Prerequisite is Math 2534.

**Additional Requirements and Comments**

- A. CS minors must earn at least a “C” (2.0) in CS 1705 or 1124, CS 2104, CS 2114, and CS 2505.
- B. Students must have a CS minor GPA of at least 2.0 to successfully complete the minor. The CS minor GPA includes all courses with the CS designator.
- C. The following courses are not allowed for CS minor credit: CS 3604, 4004, 4014.
- D. Math 2534 is normally restricted to CS and CpE majors only. For students pursuing the CS minor who need a seat in Math 2534, please contact the Computer Science Advising office (see <https://www.cs.vt.edu/undergraduate/contacts> for contact information).