

# COMPUTER SCIENCE (CS) MINOR

Code	Title	Credits
CS 1114	Introduction to Software Design (C)	3
or CS 2064	Intermediate Programming in Python	
CS 2114	Software Design and Data Structures (C)	3
MATH 2534	Introduction to Discrete Mathematics	3
CS 2505	Introduction to Computer Organization (C)	3
CS 3114	Data Structures and Algorithms	3
CS 3/4/5XXX	CS Elective	3
CS 3/4/5XXX	CS Elective	3
<b>Total Credits</b>		<b>21</b>

## Graduation Requirements

### Additional Requirements and Comments

- CS minors must earn at least a "C" (2.0) in CS 1114, CS 2114, and CS 2505
- 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.
- The following courses are not allowed for CS minor credit: BIT 4164, CS 4944, CS 5044, CS 5045, CS 5046, CS 5904, CS 5944, CS 5974, and CS 5994.
- The following cross-listed courses are allowed for CS 3/4/5XXX elective credit: BIT 4614, CMDA 3634, CMDA 3654, CMDA 4654, ECE 4424, MATH 3414, MATH 4414, PSCI 4164, STAT 3654, and STAT 4654.
- To declare the CS minor, a student must be in a degree-granting major and must have completed CS 2114 (C) or CS 2505 (C) or one of their equivalent substitutions listed below.
- The following substitutions are accepted for the CS minor:
  - CS 1054 (C) will substitute for CS 1114 (C).
  - ECE 2514 (C) will substitute for CS 1114 (C).
  - ECE 3514 (C) will substitute for CS 2114 (C).
  - ECE 2564 (C) will substitute for CS 2505 (C).
  - MATH 3034 will substitute for MATH 2534.
  - CS 5040 will substitute for CS 3114.

### Undergraduates Taking Graduate Courses

Students within 2 semesters of graduating and with a 3.0 or better GPA may enroll in 5000-level courses satisfying undergraduate degree requirements within their department if they have been accepted into the Accelerated Undergraduate/Graduate Program, or by permission of the course instructor and the Department. For students not accepted into the Accelerated Undergraduate/Graduate Program, these courses may not be used on the Plan of Study for a graduate degree.