

**College of Engineering
Department of Computer Science
Minor in Computer Science
For Students Entering Under UG Catalog 2023-2024**

CS 1114	Introduction to Software Design <i>Pre: none</i>	3	_____
CS 2114	Software Design and Data Structures <i>Pre: CS 1114 (C) or CS 2064 (C)</i>	3	_____
MATH 2534	Introduction to Discrete Mathematics <i>Pre: CS 1114 (C) or ECE 1574 (C-) or ECE 1004 or CS 2064 (C)</i>	3	_____
CS 2505	Introduction to Computer Organization <i>Co: MATH 2534 or 3034; Pre: CS 2114 (C)</i>	3	_____
CS 3114	Data Structures and Algorithms <i>Pre: (CS 2114 (C) or ECE 3514 (C)), (CS 2505 (C) or ECE 2564 (C)), (MATH 2534 or MATH 3034)</i>	3	_____
CS 3/4/5XXX	CS Elective <i>Pre: see class timetable</i>	3	_____
CS 3/4/5XXX	CS Elective <i>Pre: see class timetable</i>	3	_____
Total			21 hours

Additional Requirements and Comments

- A. CS minors must earn at least a “C” (2.0) in CS 1114, 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, CS 4944, CS 5040, CS 5044, CS 5045, 5046, 5644, 5664, 5904, 5944, 5974, 5994.
- D. The following cross-listed courses can be used to satisfy the CS 3/4/5XXX electives: BIT 4164, CMDA 3634, CMDA 3654, CMDA 4654, ECE 4424, MATH 3414, MATH 4414, PSCI 4164, STAT 3654, STAT 4654
- E. 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.
- F. CS Department accepts the following substitutions for the CS minor:
 - CS 1054 (C) will substitute for CS 1114 (C).
 - CS 2064 (C) will substitute for CS 1114 (C).
 - ECE 1574 (C) will substitute for CS 1114 (C).
 - ECE 2514 (C) will substitute for CS 1114 (C).
 - ECE 2574 (C) will substitute for CS 2114 (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.