Computer Science Minor Requirements

- A minor in Computer Science (CS) consists of a minimum of 18 hours of CS coursework with at least 6 hours at the 3000-4000 level.
- Students must have a 3.0 or higher TTU GPA to minor in CS.
- CS minor students require the approval of the CS Undergraduate Academic Advisor. For permits and questions, you may email the current advisor and/or call 806-834-1062.

Course # Descri	ption		
CS 1411	Programming Principles I		
	Prereq: Dept. Approval		
CS 1382	Discrete Computational Structures		
	Prereq: CS 1411	The quickest path to our minor	
CS 1412	Programming Principles	is through the following route	
	Prereq: CS 1411	(must have a statistics course):	
CS 2413	Data Structures	05.1.111	
	Prereq: CS 1412	CS 1411	
CS 2350	Computer Organization and Assembly Language Programming	CS 1412	
	Prereq: CS 1412 and ECE 2372	CS 2413	
CS 2365	Object Oriented Programming	CS 3361	
	Prereq: CS 2413	CS 3365 (stats needed as prereq)	
CS 3361	Concepts of Programming Languages		
	Prereq: CS 2413	You are more than welcome to	
CS 3364	Design and Analysis of Algorithms	take more courses than these,	
	Prereq: CS 1382, CS 2413, and MATH 2360 (linear algebra)	but this regimen ensures you	
CS 3365	Software Engineering I	meet the minimum	
	Prereq: CS 2413, MATH 3342 (Statistics) or equivalent	requirements without taking	
CS 3375	Computer Architecture	additional hours/courses.	
	Prereq: CS 2350 or ECE 3362		
CS 3383	Theory of Automata		
	Prereq: CS 1382		
CS 4352	Operating Systems		
	Prereq: CS 3364 and CS 3375		
CS 4354	Concepts of Database Systems		
	Prereq: CS 3364		
CS 4365	Software Engineering II		
	Prereq: CS 3364		
MATH 4330			
	Prereq: Consent of Undergraduate Programming Director of MATH dept.		
	*course needs to be evaluated each semester by CS dept. to determine tr	ansferability	
Other courses may count as equivalents with departmental approval			

CS Core Curriculum Courses

Other courses may count as equivalents with departmental approval

*CS electives may be taken for credit to a CS minor, however availability varies per semester and courses of interest are not guaranteed to be offered in the desired semester

*Minor course selection excludes CSs 1300, 1303, 1305, and 4366

*Tutoring is available in the Learning Center, Room 080 of Holden Hall

*Having a background in the languages of C, C++, Java, and Python before starting CS courses will help immensely. The library, CS dept., and internet all have resources to help in this goal. We see increased student success if they don't have to learn both the theory and language at the same time. A dedicated course is not needed, but we would push for at least a cursory familiarization

*CS is very math oriented; although the department does not require minor students to progress in math to complete the minor, it is in the student's best interest to have, at the very least, a good foundation in Algebra and a small knowledge of Calculus materials.