

**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE - 130 HOURS****CORE REQUIREMENT (66 hours)**

English - EN 1311, 3300 + 6 hours Sophomore Literature	12
Fine Arts (FA 1101, 1102, 1103 + 3 hours Art, Drama, or Music)	6
Foreign Language*	6
Speech (SE 1321, 1341, 2333 or 3391)	3
Science hours (Biological/Physical Sciences - Student takes 6 hours in one area and 3 hours in the other)	9
*Mathematics (fulfilled in MAJOR requirement)	
Social Sciences	15
Philosophy (PL 1310, 2332 + 3 advanced hours)	9
Theology (TH 2301 + 3 hours from: TH 3301, 3302, 3330, 3332, 3334, 3350, 3352, 3356, 3380, 3382)	6
Basic Proficiency Requirement in Information Technology (Students must achieve a passing score of 170 or higher on the iSkills test)	

**MAJOR (44 hours)**

CS 1410 Programming I	4
CS 1411 Programming II/ Data Structures	4
CS 2313 Object Oriented Programming I	3
CS 2315 Algorithms	3
CS 2323 Object Oriented Programming II	3
CS 2350 Computer Systems Architecture ( <i>formerly CS 2320</i> )	3
CS3335W Survey of Programming Languages ( <i>formerly CS 3314W</i> )	3
CS 3340W Software Engineering ( <i>formerly CS 3313W</i> )	3
CS 3350W Operating Systems ( <i>formerly CS 4350</i> )	3
CS 4320W Files and Data Base ( <i>formerly CS 4313W</i> )	3
CS 4330W Data Communication ( <i>formerly CS 4312W</i> )	3
CS 4395W Senior Project ( <i>formerly CS 4316W</i> )	3
+ 6 hours of upper division CS electives	6
(NOTE: CS 1300 will not count towards graduation)	

**MINOR REQUIREMENT (17 hours)**

MT 2412 Univariate Calculus I *(fulfills CORE Math requirement)	4
MT 2413 Univariate Calculus II	4
+ 9 advanced hours (strongly recommended)	
MT 3323 Discrete Mathematical Structures	3
MT 3324 Linear Algebra	3
MT 4351 Numerical Analysis I	3

**ELECTIVES**

3

**130 hours total degree requirement****130**

\*6 hours of Introductory level (1311, 1312) foreign language if no prior knowledge or education with language.  
Or 6 hours of Second Year level language (2311, 2312) foreign language if prior knowledge or education with language.  
Or 12 hours of CLEP.

**REQUIRED COURSES FOR COMPUTER SCIENCE MINOR--20 SEMESTER HOURS:**

CS 1410 Programming I	CS 2315 Algorithms
CS 1411 Programming II/Data Structures	CS 3340W Software Engineering ( <i>formerly CS 3313W</i> )
CS 2313 Object Oriented Programming	CS Elective 3 hours 3000 or 4000 level courses

**COMPUTER SCIENCE COURSES FOR SECONDARY TEACHER CERTIFICATION - 26 SEM HOURS**

CS 1300 Introduction to Computing  
 CS 1410 Programming I  
 CS 1411 Programming II/ Data Structures  
 CS 2350 Computer Systems Architecture  
 CS 3350 Operating Systems  
 CS 4320W Files and Data Base  
 Plus 6 hours of upper division CS electives