Bachelor of Science in Computer Science Curriculum Flowchart

Semesters

1st
- CS 1411: PROG PRINC I
- MATH 1451: CALCULUS I
- ENGL 1301: ESS COLL RHET
- NAT SCI ELECTIVE***

2nd
- CS 1412: PROG PRINC II
- MATH 1452: CALCULUS II
- PHYS 1408: PHYSICS I
- ENGL 1302: ADV COLL RHET

3rd
- ECE 2372: MOD DIG SYS DES
- MATH 2450: CALCULUS III
- PHYS 2401: PHYSICS II
- ENGR 2392: ENGR ETHICS

4th
- CS 2350: CMP ORG / ASM LNG
- CS 2365: OBJ ORIENT PROG
- ENGR 2392: ENGR ETHICS
- ENGL 2311: TECHNICAL WRITING

5th
- CS 3361: CONC PROG LNG
- CS 3364: DES ANAL ALGOR
- POLS 2302: ENGR ETHICS
- ENGL 2311: TECHNICAL WRITING

6th
- CS 3375: COMP ARCH
- CS 3365: SOFT ENGR I
- CS 3383: THEORY AUTOMATA
- CORE CURR ELECTIVE*

7th
- CS 4352: OPERATING SYS
- CS 4365: SOFT ENGR II
- CS 4366: SR CAPSTONE PROJ
- CORE CURR ELECTIVE*

8th
- CS 4354: CONC DATA SYS
- CS ELECTIVE**
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*

Completion of Foundational Curriculum Courses with a C or higher and minimum 2.5 GPA indicate eligibility to move into the CS major. See the academic advisor for completion of proper paperwork.

Minimum hours for graduation: 126

* Computer Sciences Electives: Choose from any 3300 or 4400 level computer science courses that are not required for the CS major.
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*** See Core Curriculum C. Life and Physical Science university approved list in the online HTML version of the academic catalog.

In accordance with the university catalog, an Intent to Graduate must be filed with Whitacre College of Engineering Dean's Office one year before graduation.