Bachelor of Science in Computer Science

Semesters

1st
- CS 1411
  PROG PRINC I
- CS 1412
  PROG PRINC II
- ECE 2372
  MOD DIG SYS DES
- CS 2413
  DATA STRUCTURES
- POLS 1301
  AM GOV ORG
- ENGL 1302
  ADV COLL RHET

2nd
- MATH 1451
  CALCULUS I
- MATH 1452
  CALCULUS II
- MATH 2450
  CALCULUS III
- PHYS 1408
  PHYSICS I
- PHYS 2401
  PHYSICS II
- ENGL 1301
  ESS COLL RHET

3rd
- CS 2350
  CMP ORG / ASM LNG
- CS 2365
  OBJ ORIENT PROG
- ENGR 2392
  ENGR ETHICS
- ENGR 2350
  CMP ORG
- ENGR 2331
  ENGR ETHICS
- COMS 2358 or
  ENGR 2331

4th
- CS 3361
  CONC PRG LNG
- CS 3364
  DES ANAL ALGOR
- POLS 2302
  AM PUBLIC POLICY
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*

5th
- CS 3375
  COMP ARCH
- CS 3365
  SOFT ENGR I
- POLS 1301
  AM GOV ORG
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*

6th
- CS 4352
  OPERATING SYS
- CS 3365
  SOFT ENGR I
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*

7th
- CS 4354
  CONC DATA SYS
- CS 4365
  SOFT ENGR II
- CS 4366
  SR CAPSTONE PROJ
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*

8th
- CORE CURR ELECTIVE*
- CORE CURR ELECTIVE*
- CORE CURR 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

* Courses needed to fulfill the university Core Curriculum requirements, including 6 hours of U.S. History, 3 hours of Creative Arts, and 3 hours of Social and Behavioral Sciences. The 3-hour Multicultural requirement must also be satisfied. This can be done by either completing an approved study abroad program, including assessment by the Study Abroad Office, or by taking a course from the multicultural list. If taking a multicultural course, it is recommended that the course also meet either the Creative Arts or Social and Behavioral Science core as it will then meet both core requirements. For details, consult the Core Curriculum requirements in the online HTML version of the academic catalog.

** Computer Science Electives: Choose from any 3000 or 4000 level computer science courses that are not required for the CS major.

*** See Core Curriculum C. Life and Physical Science university approved list in the online HTML version of the academic catalog – any 4 hour lab and lecture except Physics.

^ 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.