Bachelor of Science in Computer Science (B235)
Summer 2023 through Spring 2024 – Total Credit Hours: 120

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet.

FRESHMAN

Fall 15-18 Hours
- MATH 1914 Calculus I
- MATH 2924 Calculus II
- Programming (take one)
  - CS1321
  - CS1323
- ENGL 1113 English Composition
- ENGR 1141/1421/3511 Engineering Thinking
- CAS 1523/1533/1543 First-Year Experience
- Approved Elective: Artistic Forms
- 3-6 hours OPEN ELECTIVES

Spring 14 Hours
- Natural Science Core II See approved list
- CS 2334 Programming Structures and Abstractions
- ENGR 2002 Prof. Development Additional Coreq/Prereq: ENGR1411/1421/3511 Soph standing
- Approved Elective: Social Science
- A minor in MATH can be completed using technical and open electives

SOPHOMORE

Fall 14 Hours
- OPEN ELECTIVES see box below
- PSC 1113 American Fed. Govt.
- CS 2334 Programming Structures and Abstractions
- Additional Prereq: MATH1523 or higher
- CS 2813 Discrete Structures or MATH 2513* Discrete Mathematics
- CS 2413 Data Structures
- Additional Prereq: MATH1914/1823
- Natural Science with Lab Core II See approved list
- ENGR 1411/1421/3511* Engineering Thinking
- Approved Elective: Artistic Forms
- Approved Elective: Social Science

Spring 14-17 Hours
- Prereq for all CS 3000+
- CS2614 Computer Organization Prereq: CS 2334
- CS 3113 Intro to Operating Systems
- CS 3823 Theory of Computation
- One of the following:
  1. MATH 4753 (MATH2924/2423 prereq)
  2. ISE 3293 (MATH2924/2433 prereq)
  3. MATH 4743 (MATH4733 prereq) – fall only
  4. ECE 2523 (MATH 2924/2433 prereq)
- OPEN ELECTIVES see box below

JUNIOR

Fall 15 Hours
- CS 3203 Software Engineering
- Approved Technical Elective *excludes CS 4910 & 4970
- Approved Technical Elective See approved list
- MATH 3333 Linear Algebra Prereq: MATH 1914/1823

Spring 15 Hours
- Approved Technical Elective
- Approved Technical Elective
- Approved Technical Elective
- Approved Elective: Western Culture
- Approved Elective

SENIOR

Fall 15 Hours
- Approved CS 4000+ Elective *excludes CS 4910 & 4970
- Approved CS 4000+ Elective
- Approved CS 4000+ Elective
- Approved Elective

Spring 15 Hours
- Approved CS 4000+ Elective
- Approved CS 4000+ Elective
- Approved Elective
- Approved Elective
- Approved Elective

List of approved electives may be found here: https://www.ou.edu/coe/cs/academics/undergrad

At least one of these Gen. Ed. courses must be 3000-4000 level.
Foreign Language: 2 semesters college level or 2 years of high school.
HS History Deficiency

CS placement survey must be taken. Here is the survey link: https://www.ou.edu/coe/cs/resources.