Bachelor of Science in Computer Science (B235)
Summer 2019 through Spring 2020 – 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 16 Hours
- MATH 1914
  Calculus I

Spring 14 Hours
- MATH 2924
  Calculus II

Sophomore

Fall 15 Hours
- MATH 2934
  Calculus III

Spring 15 Hours
- Open Elective
  4 hours

Junior

Fall 15-16 Hours
- Open Elective
  3 hours

Spring 15 Hours
- MATH 3333
  Linear Algebra
  Prereq: MATH 1914/1823

Senior

Fall 15 Hours
- MATH 2934
  Programming Structures and Abstractions

Spring 15 Hours
- ENGR 1411 / 3511
  Freshman / Transfer
  Engr Experience

- ENGL 1113
  English Composition

- Open Elective
  (to bring total to
  5 hours)

- Approved Elective
  (Core I)

- Approved Elective
  (Core II)

- Approved Elective
  Artistic Forms

- ENGR 2002
  Professional Development

- Approved Elective
  Social Science

- PHYS 2514
  Physics for Engr
  Prereq: MATH 1914/1823

- PHYS1311 lab
  Required if 3-hour Natural Science taken without LAB

- 3-hour 3000+ level MATH course
  or
  Completion of MINOR and 3-hour Open Elective
  *Approved by CGoE Advisor

- CS 2813
  Discrete Structures or MATH 2513*
  Discrete Mathematics
  *MATH 2513 prereq is MATH 2924/2423

- CS 2614
  Computer Organization

- CS 3113
  Intro to Operating Systems

- CS 3203
  Software Requirements & Specifications

- CS 3223
  Principles of Programming Languages

- CS 3823
  Theory of Computation

- CS 4000+ Elective
  *excludes CS4910 & 4970

- CS 4173
  Computer Security

- CS 4263
  Software Engr I
  Additional Prereq: ENGR 2002

- CS 4413
  Algorithm Analysis

- CS 4273
  Software Engineering II

- CS 4473
  PDN Programming

- CS 4000+ Elective
  *excludes CS4910 &4970

- CS 4000+ Elective
  (MATH 4073 prereq)

- CS 4000+ Elective
  (MATH 4743 prereq)- fall only

- Approved Elective
  Western Civilization & Culture

- Approved Elective
  Non-Western Culture

- CS 4513
  Database Management Systems

- PSC1113
  American Federal Government

- HS History Deficiency

- Must earn a B minimum in CS 1321/1323/1324 OR CS 2334 to continue in any remaining CS courses.

- Co-requisite

- Prerequisite

- Shaded courses offered once a year (fall or spring only)

- 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.

- CS placement survey must be taken. Link in classnav.ou.edu course description.

- MATH minor can be completed in your CS degree by choosing MATH 4073 and MATH 4753 or 4743

Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu and regular visits with your WSSC College Advisor.