Bachelor of Science in Computer Science (B235)
Summer 2020 through Spring 2021 – 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 Hours
  - MATH 1914 Calculus I
  - ENGL 1113 English Composition
  - ENGR 1411 / 3511 Freshman / Transfer Engr Experience
  - Approved Elective
  - Approved Elective
  - Approved Elective

**SOPHOMORE**
- Fall: 15 Hours
  - MATH 2924 Calculus II
  - MATH 2934 Calculus III
  - CS 2334 Programming Structures and Abstractions
  - CS 2614 Computer Organization
  - CS 2813 Discrete Structures or MATH 2513*
  - Approved Elective
  - Approved Elective
  - Approved Elective

**JUNIOR**
- Fall: 15 Hours
  - MATH 2934 Calculus III
  - PHYS 2514 General Physics for Engr/Sci
  - CS 3203 Software Requirements & Specifications
  - CS 3113 Intro to Operating Systems
  - CS 3823 Theory of Computation
  - CS 4000+ Elective
  - Approved Elective
  - Approved Elective

**SENIOR**
- Fall: 15 Hours
  - MATH 3333 Linear Algebra
  - CS 4263 Software Engr I
  - CS 4413 Algorithm Analysis
  - CS 4173 Computer Security
  - One of the following:
    - 1. MATH 4753 (MATH2924/2423 prerequisite)
    - 2. ISE3293 (MATH2924/2433 prerequisite)
    - 3. MATH4743 (MATH4733 prerequisite)- fall only
  - Approved Elective
  - Approved Elective

**Programming** (take one)
- CS1321
- CS1323
- CS1324

**ENGL EXPO 1213** English Comp or Expository Writing

**ENGR 2002** Prof. Development

**Approved Elective Artistic Forms**

**NATURAL SCIENCE** see box below

**OPEN ELECTIVES** see box below

4-7 hours OPEN ELECTIVES
(Refer to College of Engineering Advisor before taking)

- If CS 1321 taken: 7 hours
- If CS 1323 taken: 5 hours
- If CS 1324 taken: 4 hours

10-hour NATURAL SCIENCE requirement
(must meet the following):

- Additional Non-PHYS Gen. Ed. approved Natural Science.
- Gen. Ed. Natural Science (Core I) approved LAB course completed
- Open Electives to meet 10 hours total for this box

- 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

**Approval Elective**
- Non-Western Culture

- HIST 1483 or 1493
- US 1492-1865
- US 1865-present

- PSC1113 American Fed. Govt.

- CS 4173

- CS 4753

- MATH 4753

- ISE3293

- MATH4743

- MATH4733

- 4-7 hours OPEN ELECTIVES

- Refer to College of Engineering Advisor before taking

- If CS 1321 taken: 7 hours
- If CS 1323 taken: 5 hours
- If CS 1324 taken: 4 hours

- Additional Prereq:
- MATH 2924/2423 prerequisite

- Additional Prereq:
- MATH2924/2433 prerequisite

- Additional Prereq:
- MATH4733 prerequisite

- Credit Hours: 120

- 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.

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

- Co-requisite
- Prerequisite
- Shaded courses offered once a year (fall or spring only)
- HS History Deficiency