BACHELOR OF SCIENCE IN COMPUTER SCIENCE (B235)
Summer 2015 through Spring 2016 — Total Credit Hours: 120

FRESHMAN
Fall
17 Hours
MATH 1914 Differential and Integral Calculus I
ENGR 3511 Freshman Engineering Experience
ENGL 1113 English Composition
PSC 1113 American Federal Government
Approved Elective: Artistic Forms (Core IV)

SOPHOMORE
Spring
16 Hours
MATH 2924 Differential and Integral Calculus II
CS 2334 Programming Structures & Abstractions
CS 2413 Data Structures
Approved Elective: Social Science (Core III)
And
Open Elective 0-2 hours

Fall
14-15 Hours
MATH 2934 Differential and Integral Calculus III
CS 2603 Applied Logic for Hardware & Software
CS 2413 Data Structures
Approved Elective: Natural Science (Core II) 3-5 hours

JUNIOR
Spring
14 Hours
COMM 2613 Public Speaking
CS 2613 Computer Organization
CS 2813 Discrete Structures
Approved Elective: Natural Science (Core II) 3-5 hours

Fall
14 Hours
COMM 2613 Public Speaking
CS 2613 Computer Organization
CS 2813 Discrete Structures
Approved Elective: Natural Science (Core II) 3-5 hours

Spring
15 Hours
5 ENGL 3153 Technical Writing, or
B C 2813 Business Communications
CS 3113 Intro to Operating Systems
CS 3202 Software Requirements & Specifications
CS 3233 Linear Algebra
CS Elective 

Fall
15 Hours
CS 3053 Human Computer Interaction
CS 4413 Algorithm Analysis
CS 3323 Principles of Programming Languages
CS 4513 Database Management Systems
CS Elective

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Senior
Spring
15 Hours
CS 4263 Software Engineering I
CS 4273 Software Engineering II (Capstone)
CS Elective

Additional Prerequisites and Notes:
1. Prerequisite for CS 1323 = MATH 1523 or concurrent enrollment
2. Prerequisites for CS 2334 = CS 1323 and MATH 1523 or higher
3. Prerequisite for:
   A) MATH 3113 = MATH 2924
   B) MATH 3413 = MATH 2934 or concurrent
4. Prerequisite for:
   A) ENGL 3153 (corequisite) = CS 3053; call 325-5927
   B) BC 2813 = ENGL / EXPO 1213 and COMM 2613
5. Prerequisite for
   A) MATH 4753 = MATH 2924
   B) SE 3293 = MATH 2924
   C) MATH 4743 = MATH 4733 (FA)
6. Prerequisite for
   MATH 4073 = MATH 3113 or 3413
7. CS 2813 and 2413 are prerequisites for all 3000 and 4000-level CS courses.
8. The total of all credit hours for science and free electives should be at least 14 credit hours.
   To be chosen from
   CS 4073, 4023, 4033, 4053, 4073, 4113, 4133, 4323, 4333, 4613, 4743, 4823, and 4973.
5 Honors College students may substitute CS 3960 for ENGL 3153 / BC 2813 and CS 3980 for an approved CS elective. Both CS 3960 and 3980 must be completed.
Note: Shaded courses are only offered once a year.
Dashed lines indicate prerequisites that may be taken concurrently.

Foreign Language (two semesters college-level or two years same language in high school)

Take one 3000 or higher level course from the approved General Education list.

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 http://checksheets.ou.edu/engrindx.htm

Modified: 2013-0128/SR