

4-Year Sample Curriculum (2004)

Updated: 8/12/2004

A recommended program of study is given below and indicates the depth and breadth of requirements for the Bachelor of Science degree with a major in computer science. Students should consult the University of Tennessee Undergraduate Catalog or the computer science faculty advisor for undergraduates for the exact requirements.

Credit hours are indicated in parentheses following each course.

Freshman Year (32 hours)	
Fall	Spring
CS 102 Intro to Computer Science (4)	CS 140 Data Structures (4)
Math 141 Calculus I (4)	Math 142 Calculus II (4)
English 101 English Composition I (3)	English 102 English Composition II (3)
Foreign Language 2xx (3)	Foreign Language 2xx (3)
How to Study (1) (recommended)	Social Science (3)

Sophomore Year (34 hours)	
Fall	Spring
CS 160 Computer Organization (4)	CS 302 Fundamental Algorithms (3)
Math 251 Matrix Algebra (3)	CS 311 Discrete Structures(3)
Math 300 Intro to Abstract Math (3)	Math 241 Multivariable Calculus (4)
Physics 135 (4) or Chemistry 1xx (4) or Biology 1xx (4)	Physics 135 (4) or Chemistry 1xx (4) or Biology 1xx (4)
Humanities (3)	Communicating Orally (3)

Junior Year (31 hours)	
Fall	Spring
CS 360 Systems Programming (3)	CS 365 Programming Languages & Systems (3)
CS 340 Foundations of Software Engineering (3) or CS 370 Intro to Scientific Computing (3)	CS 380 Theory of Computation (3)
CS 300 Scripts & Utilities (1) (recommended)	CS UD Elective (3) or Math 231 Differential Equations (3) or Math 323 Probability & Statistics (3)
Non-US History (3)	Non-US History (3)
Humanities (3)	Upper Level Distribution (3)
Social Science (3)	

Senior Year (27 hours)	
Fall	Spring
CS UD Elective (6)	CS UD Elective (6)
English 355 or 360 (3)	Upper Level Distribution (3)
UD Math for recommended minor (3) or General Elective (3)	
General Elective (3)	General Elective (3)
Total Credit Hours: 124	

Link: <http://www.cs.utk.edu/undergraduate/prospective/programofstudy.pdf>