



# 2015 Computer Science Curriculum

**Notes:** This curriculum is effective for all students enrolling in CS 100 in Spring 2015 or later. Red lines between courses indicate course pre-requisites.

Freshman Year

15

EN 101 Eng Comp I
3 hours

HI/SB Elective
3 hours

MATH 125 Calculus I
4 hours

CS 100 CS I
4 hours

ENGR 111 or CS 121
1 hour

14

EN 102 Eng Comp II
3 hours

MATH 126 Calculus II
4 hours

CS 101 CS II
4 hours

ENGR 103 Engr Found.
3 hours

Sophomore Year

14

HU/L/FA Elective
3 hours

MATH 301 Discrete
3 hours

CS 200 S Design & Eng
4 hours

ECE 380 Digital Logic
4 hours

16

HU/L/FA Elective
3 hours

Nat Science Elective (N)
4 hours

MATH 302 Discrete
1 hour

CS 201 Data Str & Alg
4 hours

ECE 383 Computer Org
4 hours

**Math 302 must be taken no later than CS 201.**

**All 400-level CS courses have ECE 383, CS 200, and CS 201 as their pre-requisites.**

Junior Year

15

Free Elective
3 hours

HI/SB Elective
3 hours

ST 450   GES 255 Statistics
3 hours

CS 403 Prog Lang
3 hours

CS 470 or CS 475
3 hours

15

Free Elective
3 hours

HI/SB Elective
3 hours

MATH 237 Linear Alg
3 hours

CS 457 Database Sys
3 hours

CS 426 Operating Sys
3 hours

Senior Year

16

Free Elective
3 hours

HU/L/FA Elective
3 hours

Nat Sci #1 (sequence, N)
4 hours

CS 4xx CS elective
3 hours

CS 4xx CS elective
3 hours

15

Free Elective
5 hours

Free Elective
3 hours

Nat Sci #2 (sequence, N)
4 hours

CS 495 or 499 Capstone
3 hours