Computer Science Major

Four Year Sample Plan
for students beginning in the 2020-2021 year

This template contains all of the courses required to complete a bachelor of arts degree with a major in Computer Science.

The highlighted courses may easily be moved between different terms to adjust for scheduling of specific courses. Many core courses are offered both fall, spring and/or May terms and may be moved, but keep course prerequisites and sequences in mind. To add a minor, replace Elective hours with the minor courses. A total of 126 earned hours is required for the B.A. degree. If a student is exempted or places out of a requirement (e.g. math or foreign language), he or she does not earn credit hours; instead the schedule below should read “Elective” in place of “Core Foreign Language I” or Math.

Freshman - Fall
BIB 111 Old Testament Introduction......................... 3
COR 100 The Christian Mind ..................................... 2
MAT 141 College Algebra (if needed) or
COS 130 Computer Programming Methodology .......... 4
ENG 111 English Composition.................................. 3
Distribution Requirement (FA, HUM, or SSC)........... 3

Freshman - Spring
BIB 142 New Testament Introduction....................... 3
COS 150 Adv. Prog. Methodology ............................... 4
HPE 151 Concepts in Physical Education................... 2
Distribution Requirement (FA, HUM, or SSC)........... 3
Core Natural Science Lab distribution......................... 4

Sophomore - Fall
BIB 277 Christian Doctrine I...................................... 3
COR 225 Cultural Heritage of the West I.................... 3
COS 210 Discrete Structures...................................... 4
COS 260 Ethical & Professional Issues in Comp.......... 3
Core Foreign Language I.......................................... 2

Sophomore - Spring
BIB 278 Christian Doctrine II.................................... 3
COR 226 Cultural Heritage of the West II................... 3
COS 230 Data Structures and Algorithms................... 4
Core Foreign Language II......................................... 4
HPE 152 Personal Aerobics and General Fitness .......... 1

Distributions:
FA = Fine Arts
HUM = Humanities
SSC = Social Science

Junior - Fall
COR 340 Christ and Culture Seminar ......................... 1
COS 311 Computer and Information Security .............. 4
COS 326 Operating Systems ..................................... 4
His 325 Twentieth-Century World History.................. 3
Elective.......................................................................... 3

Junior - Spring
COS 317 Software Security Engineering.................... 4
COS 327 Network Programming .................................. 4
COS 325 Global Trends in the 21st Century.................. 3
Elective.......................................................................... 3
COR 337 Intercultural Experience.............................. 1

Senior - Fall
COS 440 Programming Languages ............................ 4
COS 492 Capstone Project ......................................... 2
Core Diversity Class.................................................. 3
Distribution Requirement (FA, HUM, or SSC)........... 3
Elective.......................................................................... 3

Senior - Spring
COS 300 Database Systems ....................................... 4
COS 450 Introduction to Computer Organization.......... 4
Elective........................................................................ 3
Elective........................................................................ 3

Total degree hours.................................................126