Computer Science Major

Eight Semester Schedule Planner 2019-2020

This template contains all of the courses required to complete a bachelor of art 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” for example.

**Distributions:**
- **DIV = Diversity**
- **FA = Fine Arts**
- **HUM = Humanities**
- **SSC = Social Science**

### 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 (DIV, FA, HUM, or SSC).. 3
- Core Natural Science Lab distribution …………………….. 15

### Freshman - Spring
- BIB 142 New Testament Introduction …………………….. 3
- COS 150 Adv. Prog. Methodology ……………………… 4
- PSE 151 Concepts in Physical Education ……………….. 2
- Distribution Requirement (DIV, FA, HUM, or SSC).. 3
- Core Natural Science Lab distribution …………………….. 16

### 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
- Core Natural Science Lab distribution …………………….. 16

### 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
- PSE 152 Personal Aerobics and General Fitness …… 1
- Distribution Requirement (DIV, FA, HUM, or SSC) ….. 15

### Junior - Fall
- COS 311 Computer and Information Security …………. 4
- COS 326 Operating Systems ……………………………. 4
- COS 440 Programming Languages ……………………… 4
- HIS 325 Twentieth-Century World History ………….. 3
- COR 340 Christ and Culture Seminar …………………….. 1
- Distribution Requirement (DIV, FA, HUM, or SSC) ….. 16

### Junior - Spring
- COS 327 Network Programming ………………………. 4
- COS 300 Database Systems …………………………….. 4
- COS 317 Software Security Engineering ………………. 4
- COR 325 Global Trends for the 21st Century ………. 3
- COR 337 Intercultural Exp ……………………………….1
- Core Natural Science Lab distribution …………………….. 16

### Senior - Fall
- COS 492 Capstone Project ………………………………. 2
- Distribution Requirement (DIV, FA, HUM, or SSC) ….. 3
- Distribution Requirement (DIV, FA, HUM, or SSC) ….. 3
- Elective …………………………………………………….. 3
- Elective …………………………………………………….. 3
- Elective …………………………………………………….. 16

### Senior - Spring
- COS 450 Introduction to Computer Organization …… 4
- Elective …………………………………………………….. 3
- Elective …………………………………………………….. 3
- Elective …………………………………………………….. 3
- Core Natural Science Lab distribution …………………….. 16

Total degree hours ……………………………………… 126