

# Typical Five-Year Bachelor of Science Degree in Computer Science

The following is one possible sequence of courses to complete a degree in 5 years. The Department requires that each student verify their course plan with a faculty adviser.

## 1<sup>st</sup> Year

### Fall

(4) CSCI 125 Programming in Visual Basic  
(4) MATH 211 Basic Calculus I [B.1]  
(4) COMM 120 Oral Communication [A.2]  
(4) Critical thinking [A.4]  
**(16)**

### Winter

(4) CSCI 201 CS I  
(4) MATH 212 Calculus II  
(4) ENG 101 Freshman Composition [A.1]  
(4) HIST 146 American Civilization [D.1]  
**(16)**

### Spring

(4) CSCI 202 CS II  
(4) MATH 213 Calculus III  
(4) MATH 272 Discrete Math  
(4) Literature [C.2]  
**(16)**

## 2<sup>nd</sup> Year

### Fall

(4) CSCI 330 Data Structures  
(4) MATH 372 Combinatorics  
(5) PHYS 221 General Physics I  
**(13)**

### Winter

(4) CSCI 320 Programming Languages  
(4) CSCI 431 Algorithm Analysis  
(5) PHYS 222 General Physics II  
**(13)**

### Spring

(4) CSCI 350 File Systems  
(4) MATH 262 Applied Statistics  
(5) PHYS 223 General Physics III  
**(13)**

## 3<sup>rd</sup> Year

### Fall

(5) CSCI 310 Digital Logic  
(4) CSCI Elective 1  
(4) PSCI 203 American Gov [D.2]  
**(13)**

### Winter

(4) CSCI 313 Machine Organization  
(4) CSCI 455 Software Engineering  
(4) Art [C.1]  
**(12)**

### Spring

(5) CSCI 401 Computer Architecture  
(4) CSCI 460 Operating Systems  
(4) NSCI 306 Expository Writing [F.1]  
**(13)**

## 4<sup>th</sup> Year

### Fall

(2) CSCI 488 Ethics  
(4) Foreign Language [C.3]  
(2) Whole Person [E.1]  
**(8)**

### Winter

(4) CSCI Elective 2  
(4) Discipline Perspective [D.4]  
(2) Whole Person [E.2]  
**(10)**

### Spring

(4) CSCI Elective 3  
(4) World Cultures [D.3]  
(4) Philosophy [C.4]  
**(12)**

## 5<sup>th</sup> Year

### Fall

(2) CSCI 489 Senior Seminar  
(4) Natural Sciences Capstone [B.5]  
(5) BIOL 100 [B.2]  
**(11)**

### Winter

(4) CSCI Elective 4.1  
(4) Humanities Capstone [C.5]  
(2) Science & Tech. [B.4]  
(2) Physical Education [E.2]  
**(12)**

### Spring

(4) CSCI Elective 4.2  
(4) Social & Behavioral Capstone [D.5]  
(5) Science with Laboratory [B.3]  
**(13)**

[ ] Refers to General Education Categories

The yearly schedule of courses on which this plan is based is subject to revision without prior notice.