



# Sample Four Year Plan

## Computer Science (BS)

### FALL - Semester 1

CS 100: Freshman Seminar\*  
CS 180: Foundations of Computer Science I  
MATH 198: Analytic Geometry and Calculus I  
Liberal Studies Program (LSP) coursework  
TRU 1XX: Self and Society Seminar

### FALL - Semester 3

CS 250: Systems Programming  
CS 260: Object-Oriented Programming  
CS 291: Models of Computation  
Liberal Studies Program (LSP) coursework

### FALL - Semester 5

CS XXX: One course from Area A  
BS Requirement  
JINS 3XX: Writing-Enhanced Junior Seminar  
LSP PHRE Mode of Inquiry  
Liberal Studies Program (LSP) coursework

### FALL - Semester 7

CS 495: Senior Seminar  
CS XXX: One course from Area C  
Liberal Studies Program (LSP) coursework  
BS requirement  
Elective

### SPRING - Semester 2

CS 181: Foundations of Computer Science II  
CS 191: Computing Structures  
MATH 263: Analytic Geometry and Calculus II  
Liberal Studies Program (LSP) coursework

### SPRING - Semester 4

CS 310: Data Structures and Algorithms  
CS 330: Computer Architecture and Organization  
Liberal Studies Program (LSP) coursework  
Required Support course

### SPRING - Semester 6

CS XXX: One course from Area A  
CS 345: Cyberethics  
STAT 290: Statistics  
Liberal Studies Program (LSP) coursework  
Elective

### SPRING - Semester 8

CS XXX: One course from Area C  
CS XXX: One course from Area B  
Liberal Studies Program (LSP) coursework  
Capstone Experience  
Electives to total at least 120 hours

**Area A** courses include CS 315: Programming, CS 360: Systems Analysis and Design, CS 370: Software Engineering, and CS 430: Database Systems.

**Area B** courses include CS 390: Operating Systems, CS 420: Compilers, CS 435: Parallel and Distributed Processing, CS 470: Computer Networks

**Area C** courses include CS 325: Introduction to Bioinformatics, CS 380: Programming Languages, CS 420: Compilers, 430: Database Systems, CS 435: Parallel and Distributed Processing, CS 460: Computer Graphics, CS 480: Artificial Intelligence, and CS 490: Automata Theory and Formal Languages.

\*Will waive CS 100 Seminar for anyone who takes CS sections of TRU 110.

Department chair: please contact the Center for Academic Excellence with any updates to the plan above.