Suggested Eight-Semester Course Sequence

**Semester 1 (16 Credits)**
- CSC 120: Problem Solving and Programming Constructs (3 credits)
- ENG 101: English Composition I (3 credits)
- UNI 100: First Year Seminar (1 credit)
- MAT 281: Calculus I (3 credits)
- General Education courses (6 credits)

**Semester 2 (15 Credits)**
- CSC 124: Computer Programming I (3 credits)
- ENG 217: Science and Technical Writing (3 credits)
- MAT 195: Discrete Mathematical Structures (3 credits)
- MAT 282: Calculus II (3 credits)
- General Education course (3 credits)

**Semester 3 (15 Credits)**
- CSC 216: Logic and Switching Theory (3 credits)
- CSC 265: Object-Oriented Programming (3 credits)
- Public Speaking course (3 credits)
- General Education courses (3 credits)
- Free Elective course (3 credits)

**Semester 4 (16 Credits)**
- CSC 323: Assembly Language Programming (3 credits)
- CSC 328: Data Structures (3 credits)
- MAT 341: Linear Algebra I (3 credits)
- CET 350: Technical Computing using Java (3 credits)
- Laboratory Science I (4 credits)

**Semester 5 (16 Credits)**
- CSC 360: Analysis of Algorithms (3 credits)
- CSC 378: Computer Architecture (3 credits)
- MAT 381: Calculus III OR MAT 441: Linear Algebra II (3 credits)
- CS Elective course (3 credits)
- Laboratory Science II (4 credits)

**Semester 6 (15 Credits)**
- CSC 400: Operating Systems (3 credits)
- CSC 455: Structures of Programming Languages (3 credits)
- MAT 215: Statistics (3 credits)
- CS Elective course (3 credits)
- CSC 352: Global, Economic and Social Ethical Issues in Computing (3 credits)

**Semester 7 (13 Credits)**
- CSC 475: Theory of Languages (3 credits)
- CSC 490: Senior Project I (3 credits)
- CS Elective course (3 credits)
- Laboratory Science III (4 credits)

**Semester 8 (14 Credits)**
- CSC 460: Language Translation (3 credits)
- CSC 492: Senior Project II (3 credits)
- CS Elective course (3 credits)
- Free Elective course (5 credits)