1st Semester

- CPS109 Intro To Computer Science
- CPS213 Computer Organization I
- MTH110 Discrete Mathematics I
- P/C/S Science Course
- Lower Liberal

2nd Semester

- CPS209 Intro To Computer Science II
- CPS310 Computer Organization II
- CPS412 Social Issues, Ethics, and Professionalism
- MTH207 Calculus and Computational Methods I
- Lower Liberal

3rd Semester

- CPS305 Data Structures
- CPS393 C,C++, and Unix
- MTH108 Linear Algebra
- CMN300 Communication in the Computer Industry
- CPS631 Human-Computer Interaction

4th Semester

- CPS590 Operating Systems I
- CPS506 Comparative Programming Languages
- CPS406 Introduction to Software Engineering
- CPS420 Discrete Structures
- CPS847 Software Tools for Startups

5th Semester

- CPS721 Artificial Intelligence I
- CPS633 Computer Security
- CPS510 Database Systems I
- CPS731 Software Engineering I
- Lower Liberal

6th Semester

- CPS706 Computer Networks I
- CPS616 Algorithms
- CPS831 Software Engineering II
- Professionally Related
- Upper Liberal

7th Semester

- CPS714 Software Project Management*
- CPS853 Creating Big Data Systems*
- Professionally Related
- Open Elective*
- Upper Liberal

8th Semester

- CPS707 Software Verification and Validation*
- CPS610 Database Systems II
- Professionally Related
- Open Elective*
- Upper Liberal

* Only one is required for stream in this semester