### Curriculum in Software Engineering

#### Freshman

**Fall**
- ENGL 1100 English Composition I: 3
- World History or Technology & Civilization: 1
- MATH 1610 Calculus I: 4
- PHYS 1600 Engineering Physics I: 4
- ENGR 1110 Introduction to Engineering: 2
- ENGR 1100 Engineering Orientation: 0

**Hours:** 16

#### Spring
- ENGL 1120 English Composition II: 3
- MATH 1620 Calculus II: 4
- PHYS 1610 Engineering Physics II: 4
- COMP 1210 Fundamentals of Computing I: 3

**Hours:** 14

#### Sophomore

**Fall**
- Core Social Science: 3
- Core Literature: 3
- Core Fine Arts: 3
- MATH 2630 Calculus III: 4
- COMP 2210 Fundamentals of Computing II: 4

**Hours:** 17

#### Spring
- Core Social Science: 3
- MATH 2660 Topics in Linear Algebra: 3
- COMP 2710 Software Construction: 4
- COMP 2210 Fundamentals of Computing II: 3
- COMP 3240 Discrete Structures: 3

**Hours:** 15

#### Junior

**Fall**
- MATH 2650 Linear Differential Equations: 3
- COMP 3220 Principles of Programming Languages: 3
- COMP 3270 Introduction to Algorithms: 3
- COMP 3350 Computer Organization and Assembly Language Programming: 3

**Hours:** 15

#### Spring
- PHIL 1020 Introduction to Ethics or 1040 Business Ethics: 3
- STAT 3600 Probability and Statistics I: 3
- Humanities / Social Science Elective: 3
- COMP 3500 Introduction to Operating Systems: 3
- COMP 3700 Software Modeling and Design: 3

**Hours:** 15

#### Senior

**Fall**
- COMP 4300 Computer Architecture: 3
- COMP 4320 Introduction to Computer Networks: 3
- COMP 5700 Software Process: 3
- COMP Elective: 6

**Hours:** 15

**Spring**
- COMP 4710 Senior Design Project: 3
- COMP 4730 Computer Ethics: 1
- COMP 5710 Software Quality Assurance: 3
- COMP Elective: 3
- Free Elective (or ROTC): 3
- UNIV 4AA0 University Graduation: 0

**Hours:** 13

**Total Hours: 120**
Students must complete a sequence in either Literature or History. Because of the discipline specific requirements for the Humanities courses, it is recommended that a History sequence be completed in the Social Sciences courses.

Courses for COMP Elective credit must be chosen in accordance with CSSE department policies and approved course listings. Students must consult with the CSSE Academic Advisor when selecting these courses.

The Humanities / Social Science Elective must be chosen from the set of courses designated as Humanities or Social Sciences in the Auburn University Core Curriculum.

The AU Bulletin lists the University Core Curriculum requirements for students in the College of Engineering.

Courses in bold-face are those used to calculate in-major GPA.