

Software Engineering (SENG)

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
Core Science Sequence ¹		4 Core History Sequence	3
MATH 1610 Calculus I		4 MATH 1620 Calculus II	4
COMP 1210 Fundamentals of Computing I		3 Core Science Sequence ¹	4
ENGR 1110 Introduction to Engineering		2 COMP 2210 Fundamentals of Computing II	4
ENGR 1100 Engineering Orientation		0	
	16		18

Sophomore

Fall	Hours	Spring	Hours
MATH 2660 Topics in Linear Algebra		3 Core Literature	3
Core History Sequence		3 Core Social Science Elective	3
ELEC 2200 Digital Logic Circuits		3 STAT 3010 Statistics for Engineers and Scientists	3
COMP 2710 Software Construction		3 COMP 3240 Discrete Structures	3
COMP 2800 Professional Development I		1 COMP 3350 Computer Organization and Assembly Language Programming	3
	13		15

Junior

Fall	Hours	Spring	Hours
COMM 1000 Public Speaking		3 PHIL 1020 Introduction to Ethics <i>or</i> 1110 Ethical and Conceptual Foundations of Science	3
Math Elective ¹		3 Math Elective ¹	3
Core Fine Arts		3 COMP 3220 Principles of Programming Languages	3
COMP 3270 Introduction to Algorithms		3 COMP 3700 Software Modeling and Design	3
COMP 3500 Introduction to Operating Systems		3 COMP 4320 Introduction to Computer Networks	3
	15		15

Senior

Fall	Hours	Spring	Hours
COMP 4300 Computer Architecture		3 Free Elective	3
COMP 5120 Database Systems I		3 COMP 4710 Senior Design Project	3
COMP 5700 Secure Software Process		3 COMP 4730 Computer Ethics	2
Technical Elective¹		6 COMP 5710 Software Quality Assurance	3
COMP 4800 Professional Development II		1 Technical Elective¹	3
		COMP 4810 Program Assessment	0
		UNIV 4AA0	0
	16		14

Total Hours: 122

2 Software Engineering (SENG)

- ¹ Courses for Core Science Sequence, Math Elective, and Technical Elective credit must be chosen in accordance with CSSE department policies and approved course listings. Students must consult with a CSSE Academic Advisor when selecting these courses.

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.