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**	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 *or* 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 Elective[1]	6	**COMP 5710 Software Quality Assurance**	3
COMP 4800 Professional Development II	1	**Technical Elective[1]**	3
		COMP 4810 Program Assessment	0
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	16		**14**

Total Hours: 122

[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.