

# Computer Science (CSCI)

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## Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
Core Science Sequence <sup>1</sup>		4 MATH 1620 Calculus II	4
MATH 1610 Calculus I		4 Core Science Sequence <sup>1</sup>	4
<b>COMP 1210 Fundamentals of Computing I</b>		<b>3 COMP 2210 Fundamentals of Computing II</b>	<b>4</b>
<b>ENGR 1110 Introduction to Engineering</b>		<b>2</b>	
	<b>16</b>		<b>15</b>

## Sophomore

Fall	Hours	Spring	Hours
COMM 1000 Public Speaking		3 Core Literature	3
MATH 2660 Topics in Linear Algebra		3 STAT 3010 Statistics for Engineers and Scientists	3
Core History Sequence		3 Core Social Science Elective	3
ELEC 2200 Digital Logic Circuits		3 <b>COMP 3240 Discrete Structures</b>	<b>3</b>
<b>COMP 2710 Software Construction</b>		<b>3 COMP 3350 Computer Organization and Assembly Language Programming</b>	<b>3</b>
COMP 2800 Professional Development I		1	
	<b>16</b>		<b>15</b>

## Junior

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

## Senior

Fall	Hours	Spring	Hours
<b>Technical Elective<sup>1</sup></b>		<b>9 Technical Elective<sup>1</sup></b>	<b>9</b>
<b>COMP 4200 Formal Languages</b>		<b>3 COMP 4710 Senior Design Project</b>	<b>3</b>
<b>COMP 5120 Database Systems I</b>		<b>3 COMP 4730 Computer Ethics</b>	<b>2</b>
COMP 4800 Professional Development II		1 COMP 4810 Program Assessment	0
		UNIV 4AA0 University Graduation	0
	<b>16</b>		<b>14</b>

**Total Hours: 122**

2 Computer Science (CSCI)

- <sup>1</sup> 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.

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