

# Minor in Computer Science

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## Requirements for the Minor

For the minor, 16–18 semester hours are required, excluding prerequisite courses. This minor is not available to students in very closely related fields, including Computer Engineering and Mathematical Computer Science. Open to College of Engineering and non-College of Engineering students.

Code	Title	Hours
<b>Prerequisite Courses</b>		
MATH 180	Calculus I	4
One of the following:		3
CS 107	Introduction to Computing and Programming	
CS 109	Programming for Engineers with MatLab	
CS 111	Program Design I <sup>a</sup>	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
<b>Total Hours</b>		<b>7</b>

Code	Title	Hours
<b>Required Courses</b>		
CS 141	Program Design II <sup>b</sup>	3
CS 151	Mathematical Foundations of Computing	3
CS 211	Programming Practicum	3
CS 251	Data Structures	4
Select one of the following:		3-4
CS 261	Machine Organization	
CS 301	Languages and Automata	
CS 341	Programming Language Design and Implementation	
CS 342	Software Design	
CS 401	Computer Algorithms I	
Any 400-level course in CS for which the prerequisites are met		
<b>Total Hours</b>		<b>16-17</b>

<sup>a</sup> Students may receive credit for CS 111 through the proficiency exam.

<sup>b</sup> A student may substitute CS 107 for both CS 111 and CS 141. This substitution was designed solely for students in the ECE department in the College of Engineering.