

# B.S. Major in Computer Science

The B.S. major in Computer Science requires a minimum of 51 semester hours:

Code	Title	Semester Hours
Required courses:		
CSCI 171	Introduction to Programming <sup>1</sup>	4.0
CSCI 182	Intro to Data Structures <sup>2</sup>	4.0
CSCI 220	Programming Languages	4.0
CSCI 240	Object-Oriented Programming	4.0
CSCI 263	Computer Software Architecture	3.0
CSCI 421	Computer Issues Seminar	3.0
ENGR 262	Computer Hardware Architecture	5.0
MATH 181	Calculus I	4.0
MATH 261	Discrete Math	3.0
At least 17 semester hours from:		17.0
CSCI 310	Software Engineering	
CSCI 316	Professional Software Dev	
CSCI 320	Database Management Systems	
CSCI 324	Web Development	
CSCI 330	Operating Systems	
CSCI 333	Computer Networking	
CSCI 340	Advanced Algorithms	
CSCI 342	Machine Learning	
CSCI 350	Computer Graphics	
CSCI 380	Compilers	
CSCI 390	Topics in Computer Science	
<b>Total Semester Hours</b>		<b>51.0</b>

<sup>1</sup> In the case where a student places into CSCI 181, the minimum SH required will be two fewer (49 SH).

<sup>2</sup> A minimum grade of C or higher is required.

Note: A cumulative average of 2.0 or higher in all required courses is necessary to complete the major.