

Major requirements to complete a degree in Computer Science 2009-2010

Course No.	Hrs.	Course Name	Prerequisites
Engl 290,291	3	Intermediate Composition	Engl 102 with C or better
or Ling 290	3	Advanced Engl Comp for Foreign Students	Ling 102 with C or better
Math 150	4	Calculus I	Math 111 or equivalent with C or better
CS 202 ²	4	Intro to Computer Science	Math 111 or equivalent with C or better
CS 215 ²	3	Discrete Mathematics	Math 111 or equivalent with C or better
CS 220 ²	3	Programming for Data Structures	CS 202, 215 with grades of C or better
CS 306 ²	3	Systems Programming	CS 220 with grade of C or better
CS 320 ²	3	Computer Organization and Architecture	CS 220 with grade of C or better
CS 330 ²	3	File Structures and Databases	CS 220 with grade of C or better
CS 399 ²	1	Social, Ethical, & Professional Issues in CS	Senior standing in computer science

Additional Courses for the B.A. Degree in Computer Science

CS 201 ²	3	Problem Solving with Computers	
Any two of the following 300-level courses:			
CS 304	3	Advanced Object-Oriented Programming	CS 220 with grade of C or better
CS 311	3	Design & Implementation of Programming Languages	CS 220 with grade of C or better
CS 315	3	Computer Logic & Digital Design	CS 215 with grade of C or better
CS 335	3	Operating Systems	CS 330 with grade of C or better
CS 350	3	Web Application Development	CS 202 with grade of C or better
Four 400-level Computer Science courses ¹			
Acct 220	3	Accounting I	Math 150 with permission, sophomore standing
Acct 230	3	Accounting II	Acct 220 with C or better, sophomore stand.
Econ 240	3	Introduction to Microeconomics	one college level math course
Econ 241	3	Introduction to Macroeconomics	one college level math course
Fin 270	3	Legal & Social Environment of Business	Sophomore standing
Fin 330	3	Introduction to Finance	Acct 230, Econ 240, junior standing
Math 282	3	Introduction to Statistics	Math 108
Mgmt 304 or 318-3		Intro to Mgmt or Production-Operations Mgmt	Junior standing
Mktg 304	3	Marketing Management	Junior standing

Additional Courses for the B.S. Degree in Computer Science

CS 311 ²	3	Design & Implementation of Programming Languages	CS 220 with grade of C or better
CS 335 ²	3	Operating Systems	CS 330 with grade of C or better
CS 498, 499	1,3	Senior Project	At least 2 400-level CS courses
Six 400-level Computer Science courses ¹			
Math 221	3	Introduction to Linear Algebra	Math 150 with grade of C or better
Math 250	4	Calculus II	Math 150 with grade of C or better
Math 282-3 or 483-4		Statistics	Math 108 or 250 respectively
Plus one of the following physical science sequences: Chem 200, 201, 210, 211; or Phys 205A,B and 255A,B.			

¹ Use of 490, 491, 492, or 493 requires departmental approval. At most, one of 447, 449, 471, 472, 475A, and 475B can be used as an elective.

² Must be passed with a grade of C or better.

The Computer Science Department is located in Faner 2125 (Door 4), phone 618-536-2327, fax 618-453-6044, email csinfo@cs.siu.edu. The Computer Science faculty advisor is Dr. Shahram Rahimi in Faner 3043. The Science Advisement office is located in Neckers A 185, phone 618-536-5537, fax 618-453-7067, email us at advise@cos.siu.edu, or see our web site at <http://www.science.siu.edu/advisement/index.html> The College of Science advisors are Dana McKenzie, Jean McPherson, and Becky Reed

Updated 5/5/09