Major in Computer Science - Bachelor of Science

University Requirements:		
See University General Requirements for Baccalaureate degrees (p. 41)		☐
First Year Making Connections Course:	**Sem. Hrs.**	
CS 1093, Making Connections - Computer Science	**3**	☐
General Education Requirements:	**Sem. Hrs.**	
See General Education Curriculum for Baccalaureate degrees (p. 84) **Students with this major must take the following:** *MATH 2204, Calculus I* *PHYS 2034, University Physics I **OR*** *PHYS 2073 **AND** 2071, Fundamental Physics and Laboratory* *ECON 2313, Principles of Macroeconomics **OR*** *ECON 2333, Economic Issues & Concepts* *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)*	**36**	☐
Major Requirements:	**Sem. Hrs.**	
CHEM 1013 **AND** CHEM 1011, General Chemistry I and Laboratory	4	☐
CS 2114, Structured Programming	4	☐
CS 2124, OOP and Fundamental Data Structures	4	☐
CS 3113, Algorithms and Advanced Data Structures	3	☐
CS 3123, Programming Languages	3	☐
CS 3223, Computer Organization	3	☐
CS 3233, Operating Systems	3	☐
CS 4113, Software Engineering	3	☐
CS 4143, Java and Application Development	3	☐
CS 4543, Database Systems	3	☐
CS 4713, Analysis of Algorithms	3	☐

	Sem. Hrs.	
EE 3333 **AND** EE 3331, Digital Electronics I and Laboratory	4	☐
ENG 3043, Technical Writing	3	☐
MATH 2183, Discrete Structures	3	☐
MATH 2214, Calculus II	4	☐
MATH 3243, Linear Algebra	3	☐
PHIL 3723, Computers, Ethics, and Society	3	☐
PHYS 2044, University Physics II **OR** PHYS 2083 **AND** 2081, Fundamental Physics II and Laboratory	4	☐
STAT 3233, Applied Statistics I	3	☐
Computer Science Electives *CS 1013 and CS 1114 may not be used to satisfy this requirement. MATH 4533 may be used to satisfy this requirement*	12	☐
Sub-total	**75**	☐
Electives:	**Sem. Hrs.**	
Electives	**6**	☐
Total Required Hours:	**120**	