COMPUTER SCIENCE, BACHELOR OF SCIENCE

Code	Title	Hours
General Education Courses		
I. Communication		
English:		
Select two of the following:		6
ENGL U101	Composition I	
ENGL U102	Composition II	
Speech:		
SPCH U201	Foundations in Oral Communication	3
II. Mathematics, Logic & Natural Sciences [1]		
Mathematics: [2]		
MATH U141	Calculus I	4
MATH U142	Calculus II	4
Natural Science (w/ lab):		
Select two of the following:		8
BIOL U101 & U101L	Introductory Biology I and Introductory Biology I Lab	
BIOL U102 & U102L	Introductory Biology II and Introductory Biology II Lab	
CHEM U111 & U111L	General Chemistry and General Chemistry Lab	
CHEM U112 & U112L	General Chemistry and Qualitative Analysis and General Chemistry and Qualitative Analysis Lab	
PHYS U201 & U201L	General Physics I and General Physics I Lab	
PHYS U202 & U202L	General Physics II and General Physics II Lab	
III. Information Technology		
Information Technology: [2]		
CSCI U138	Introduction to Computer Technology	3
or CSCI U150	Introduction to Computer Science	
IV. Fine Arts, Humanities & History		
Fine Arts:		
Select one of the following:		3
AFAM U204	African American Culture	
ARTH U101	Introduction to Art	
ARTH U105	History of Western Art: Prehistory - Middle Ages	
ARTH U106	History of Western Art: Renaissance - Modern	
MUSC U110	Introduction to Music	
MUSC U140	History of American Popular Music	
THEA U161	Introduction to Theatre Art	
THEA U170	Fundamentals in Acting	
History:		
Select one of the following:		3
HIST U101	Introduction to World History I	
HIST U102	Introduction to World History II	
HIST U105	History of the United States to 1877	
HIST U106	History of the United States from 1865	
V. Foreign Language & Culture		
Foreign Language:		
Select one of the following: [3]		3
ASLG U101	American Sign Language I	
FREN U101	Introductory French I	
GERM U101	Introductory German I	
SPAN U101	Introductory Spanish I	
VI. Social & Behavioral Sciences		
Social & Behavioral Science:		
Select one of the following:		3
AFAM U201	Introduction to African American Studies	
ANTH U102	Understanding Other Cultures	
ECON U221	Principles of Macroeconomics	
ECON U222	Principles of Microeconomics	
GEOG U103	Introduction to Geography	
POLI U101	American National Government	
PSYC U101	Introduction to Psychology	
SOCY U101	Introduction to Sociology	
SPCH U210	Interpersonal Communication	
UNIV U201	Leadership Development I	
WGST U101	Introduction to Women's & Gender Studies	
VII. General Education Electives		
General Education Electives:		
Select any approved general education course or courses (https://academic-catalog.uscupstate.edu/academic-programs/general-education-courses/)		0
Core Major Requirements [2,4]		
CSCI U200	Computer Science I	3
CSCI U210	Computer Organization	3
CSCI U236	Python Programming	3
or CSCI U238	C++ Programming	
CSCI U300	Computer Science II	3
CSCI U310	Introduction to Computer Architecture	3
CSCI U321	Computer Science III	3
CSCI U412	Introduction to Computer Networks and Security	3
CSCI U421	Design and Analysis of Algorithms	3
CSCI U511	Operating Systems	3
CSCI U530	Programming Language Structures	3
CSCI U540	Software Engineering	3
CSCI U599	Computer Science Senior Seminar	3
Supporting Course [2]		
MATH U174	**Elements of Discrete Mathematics (Supporting Course)** [2]	**3**
MATH U315	Statistical Methods I	3
Upper-Level Electives [2]		
Any three CSCI-300 or above for majors, totaling at least 9 credits		**9**
Math Elective (MATH U241 or higher)		3-4
Any two CSCI-300 or above for majors or any MATH U241, STAT U301 or above		6
Electives		
Select 17-18 credits		17-18
Total Hours		**120**

[1] Students must complete all courses in this category even if they have earned an Associate's degree.

[2] A minimum grade of C is required in each course indicated.

[3] The minimum acceptable level of competency is completion of the 101 level of a language. Students who place into the 102 or higher level of a language satisfy the language requirement but will have additional hours in general education electives, if hours are required by their degree program.

[4] At least 15 credit hours of Core Major Requirements must be completed at USC Upstate.