



BACHELOR OF SCIENCE (Computer Science)

KCTCS transfer plan

KCTCS AS General Education

Course	Course Title	Semester Hours
ENG101	Intro to College Writing I	3
ENG102	Writing in the Disciplines II	3
Oral Communications	COM 181	3
Heritage	Choose <u>one</u> course from this category	3
Humanities	Choose <u>one</u> course from this category	3
Social and Behavioral Science	Choose <u>three</u> courses from this category	6
Natural Science with Lab	Choose <u>one</u> course from this category	4
Additional Science	Choose <u>one</u> course from this category	3
MAT150	College Algebra	3
MAT 175	Calculus 1	5
	TOTAL	36

Additional KCTCS Classes Required for this Major (if selecting Systems/Scientific Applications Concentration)

MAT 185	Calculus 2	5
MAT 285	Differential Equations	3
CS 215	Introduction to Program Design	4
	TOTAL	12

WKU Classes Required for this Major

CS 290	Computer Science II	4
CS 331	Computer Science III	3
CS 325	Computer Organization and Architecture	3
CS 339 or Math 310	Discrete Structures or Intro to Discrete Mathematics	3
CS 351	Database Management Systems I	3
CS 360	Software Engineering	3
CS 381	Intro Computer Networks and Security	3
CS 382	Programming Languages	3
CS 421	Data Structures and Algorithm Analysis	3
CS 425	Operating Systems I	3
CS 496	Senior Project and Professional Practice	3
CS XXX	CS Electives	12
STAT 301	Probability and Applied Statistics	3
	Total	49
Free Elective	Students Choice	11
TOTAL PROGRAM HOURS		120

Program Notes Barring unexpected issues, it is expected that students entering the program will need at least five semesters to complete the B.S. in Computer Science.