



Transfer Guide

Associate of Arts – Liberal Arts & Sciences BS-Computer Science



KCKCC—Fall Semester 1	Hrs	KCKCC—Spring Semester 1	Hrs	KCKCC—Summer Semester 1	Hrs
CIST 101 Computer Concept & App (KCKCC prereq)	3	CIST 120 Programming Fundamentals (KCKCC prereq)	4	Social Science Course^	3
ENGL 101 Composition I	3	ENGL 102 Composition II	3		
MATH 122 Calculus I	5	MATH 123 Calculus II	5		
Humanities Course*	3	Social Science Course^	3		
BLUE 101 Freshman Seminar	1				
15		15			3

KCKCC—Fall Semester 2	Hrs	KCKCC—Spring Semester 2	Hrs	KCKCC—Summer Semester 2	Hrs
SPCH 151 Public Speaking OR SPCH 201 Interpersonal Communication	3	CIST 191 Discrete Structures I	3		
NASC 245 Engineering Physics I	5	CIST 240 Data Structures C++	4		
CIST 180 Programming Algorithms	4	MATH 115 Statistics	3		
Humanities Course*	3	Science Elective (must take Biol 131, Biol 135, BIOL 225, CHEM 111, OR NASC 186)	4-5		
15		14-15			

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
COMP-SCI 281R Intro Computer Arch & Org	3	COMP-SCI 394R Applied Probability	3		
COMP-SCI 291 Discrete Structures II	3	COMP-SCI 320 Data Comm & Networking	3		
COMP-SCI 303 Data Structures	3	COMP-SCI 431 Operating Systems	3		
COMP-SCI 304 Ethics & Professionalism	3	COMP-SCI 441 Prog Lang: Design & Imp	3		
MATH 300 Linear Algebra	3	COMP-SCI 470 Database Management	3		
15		15			

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
COMP-SCI 361 Introduction to Cybersecurity	3	COMP-SCI 451R Software Eng Capstone	3		
COMP-SCI 404 Intro to Algorithms & Comp	3	COMP-SCI 461 Intro to Artificial Intelligence	3		
COMP-SCI 449 Foundations of Software Dev	3	COMP-SCI 456 Human Computer Interface	3		
COMP-SCI 3XX/4XX Major Elective	3	COMP-SCI 3XX/4XX Major Elective	3		
COMP-SCI 3XX/4XX Major Elective	3	COMP-SCI, E&C-ENGR, INFO-TECH Elective	3		
15		15			

*Students must take 6 hours from two different disciplines: Art/Humanities, History, Literature, Music, Philosophy or Theater, excluding performance courses.

^Students must take 6 hours from two different disciplines: Anthropology, Economics, Geography, Political Science, Psychology or Sociology.

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