UMKC School of Computing and Engineering

Transfer Guide
Associate of CS with Core 42
BS-Computer Science
(entering UMKC Fall 2020 or later)

MCC Metropolitan Community College

MCC—Fall Semester 1	Hrs	MCC—Spring Semester 1	Hrs	MCC—Summer Semester 1	Hrs
CSIS 123 Programming Fundamentals	3	CSIS 223 Object Oriented Programming	3	ACS Humanities Course*	3
ENGL 101 Composition & Reading I	3	ENGL 102 Composition & Reading II	3		
MATH 180 Analytic Geometry & Calculus I	5	MATH 190 Analytic Geometry & Calculus II	5		
ACS Western Civilization Course	3	CHEM 111 or BIO 101 General Chem or Bio	5		
COLL 100 First Year Seminar	1				

MCC—Fall Semester 2	Hrs	MCC—Spring Semester 2	Hrs	MCC—Summer Semester 2	Hrs
COMM 100 Fundamentals of Speech	3	ACS American Institutions Course***	3		
MATH 115 Statistics	3	MATH 141 Discrete Structures I	3		
CSIS 221 Intro to Computer Architecture	3	PHYS 220 Engineering Physics I	5		
ACS Social Sciences Course	3	Core 42 Social/Behavioral Sciences Requirement	3		
ACS Humanities Appreciation**	3	Core 42 Elective	2		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CS 291 Discrete Structures II	3	CS 304WI Ethical Issues in Comp/Engineering	3		
CS 303 Data Structures	3	CS 394R Applied Probability	3		
MATH 300 Linear Algebra	3	CS 431 Operating Systems	3		
PHYS 250 Physics for Scientists & Engineers II ^	5	CS 371 or CS 470 Database Elective	3		
		CS 3XX/4XX Elective	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CS 404 Intro to Algorithms & Complexity	3	CS 451R Software Engineering	3		
CS 441 Prog Lang Design & Implementation	3	CS 461 or 465R Artificial Intel or Stat Learning	3		
CS 449 Fundamentals of Software Engineering	3	CS 3XX/4XX Elective	3		
CS 420 or CS 421A Networking Elective	3	CS 4XX Elective	3		
CS 3XX/4XX Elective	3				

*Acceptable courses include ENGL 218, ENGL 220, ENGL 222, ENGL 223, PHIL 100, PHIL 200, PHIL 203

**Acceptable courses include ARAB 101, ART 108, ART 150, ART 151, CHIN 101, FREN 101, FREN 102, GERM 101, GERM 102, SPAN 101, SPAN 102, MUSI 108, MUSI 160, THEA 106

***Acceptable courses include HIST 120, HIST 121, POLS 136

^*Students may reverse transfer this course back to MCC to complete the Associate of Computer Science degree.*

Students should consult with an academic advisor to be sure that courses for the MDHE Core 42 satisfy the requirements before enrolling.