



Transfer Guide
Associate of Arts
BS-Electrical & Computer Engineering
(entering UMKC Fall 2020 or later)



MCC—Fall Semester 1		Hrs	MCC—Spring Semester 1		Hrs	MCC—Summer Semester 1		Hrs
BIO 101 or CHEM 111 General Bio or Chem	5		ENGL 102 Composition & Reading II	3				
ENGL 101 Composition & Reading I	3		MATH 190 Analytic Geometry & Calculus II	5				
COLL 100 First Year Seminar	1		PHYS 220 Engineering Physics I	5				
MATH 180 Analytic Geometry & Calculus I	5		Core 42 Social/Behavioral Sciences Requirement	3				
Core 42 Humanities/Arts Requirement	3							

MCC—Fall Semester 2		Hrs	MCC—Spring Semester 2		Hrs	MCC—Summer Semester 2		Hrs
COMM 100 Fundamentals of Speech	3		ENGR 233 Circuit Analysis I	4		Global Diversity Requirement	3	
ENGR 204 Programming for Eng & Sci	3		ENGR 234 Circuit Analysis Lab	1				
Core 42 Social/Behavioral Sciences Requirement	3		Core 42 Humanities/Arts Requirement	3				
Core 42 Humanities/Arts Requirement	3		Core 42 Social/Behavioral Sciences Requirement	3				
Core 42 Elective	2		CSIS 123 Programming Fundamentals	3				

UMKC—Fall Semester 3		Hrs	UMKC—Spring Semester 3		Hrs	UMKC—Summer Semester 3		Hrs
ME 130 Engineering Graphics	3		CS 394R Applied Probability	3				
ECE 226/227 Logic Design/Lab	4		ECE 341R Applied Engineering Analysis II	3				
ECE 241 Engineering Analysis I	3		ECE 228/229 Intro to Computer Design/Lab	4				
PHYS 250 Physics for Scientists & Engineers II	5		CS 304WI Ethical Issues in Comp & Engr.	3				

UMKC—Fall Semester 4		Hrs	UMKC—Spring Semester 4		Hrs	UMKC—Summer Semester 4		Hrs
ECE 334 Semiconductors & Devices	3		ECE 302/303 Electromag. Waves & Fields/Lab	4				
ECE 376/377 Circuit Theory II/Lab	4		ECE 330/331 Electronic Circuits/Lab	4				
ECE 380/381 Signals & Systems/Lab	4		ECE 428R/429 Embedded Systems/Lab	4				
ECE 426/427 Microcomputer Architecture/Lab	4		ECE 466 Power Systems I	3				

UMKC—Fall Semester 5		Hrs	UMKC—Spring Semester 5		Hrs	UMKC—Summer Semester 5		Hrs
ECE 358 or 474 Control or Comm Systems	3		ECE 403 Senior Design II	2				
ECE 402 Senior Design I	3		ECE 4XX ECE Elective	3				
ECE 416 or 472 Neural/Adaptive or Power Gen Systems	3							
ECE 4XX ECE Elective	3							
ECE 4XX ECE Elective	3							

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

UMKC School of Computing & Engineering · SS&C Student Services Center
 336 Flarsheim Hall · 5110 Rockhill Road
 816-235-2399 · sce@umkc.edu · http://sce.umkc.edu

Metropolitan Community College
 Blue River · Longview · Maple Woods · Penn Valley
 816-604-1000 · www.mcckc.edu/advising