



Transfer Guide
Associate in Arts
BS-Electrical & Computer Engineering
(entering UMKC Fall 2021 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		
MATH 180 Analytic Geometry & Calculus I	5	PHYS 220 Engineering Physics I	5		
Core 42 Literature or Philosophy Course	3	Core 42 Civics/American Institutions Course*	3		

MCC—Fall Semester 2	Hrs	MCC—Spring Semester 2	Hrs	MCC—Summer Semester 2	Hrs
COMM 100 Fundamentals of Speech	3	ETEC 152 Engineering Graphics & CADD I	5		
CSIS 123 Programming Fundamentals	3	Core 42 Humanities & Fine Arts Course	3		
Core 42 Social/Behavioral Sciences Requirement	3	Core 42 Social/Behavioral Sciences Requirement	3		
Core 42 Western Civilization (HIST 133 or 134)	3	Core 42 Humanities & Fine Arts Course	3		
Core 42 Elective (if needed)	2				

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CS 304WI Ethics and Professionalism	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	ECE 276/277 Circuit Theory I/Lab	4		
		ME 131 Engineering Graphics	1		

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 Elective	3		
ECE 416 or 486 Pattern Recognition	3	ECE 4XX Elective	3		
ECE 4XX 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.

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

Diversity Requirement: Students must take at least one course with the diversity designator to fulfill the AA degree requirements.

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