Transfer Guide
Core 42 with ECE Prerequisites
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			
Core 42 Humanities/Arts Requirement	3		PHYS 220 Engineering Physics I	5			
MATH 180 Analytic Geometry & Calculus I	5		Core 42 Social/Behavioral Sciences Requirement	3			

MCC—Fall Semester 2	Hrs		MCC—Spring Semester 2	Hrs		MCC—Summer Semester 2	Hrs
COMM 100 Fundamentals of Speech	3		Core 42 Humanities/Arts Requirement	3			
MATH 210 Analytic Geometry & Calculus III	5		ETEC 152 Engineering Graphics & CADD I	5			
PHYS 221 Engineering Physics II	5		MATH 230 Differential Equations	3			
Core 42 Humanities/Arts Requirement	3		Core 42 Social/Behavioral Sciences Requirement	3			

MCC—Fall Semester 3	Hrs		UMKC—Spring Semester 3	Hrs		UMKC—Summer Semester 3	Hrs
ENGR 204 Programming for Eng & Sci	3		ECE 217 Engineering Computation	2			
ENGR 233 Circuit Analysis I	4		ECE 226/227 Logic Design/Lab	4			
ENGR 234 Circuit Analysis Lab	1		ECE 341R Applied Engineering Analysis II	3			
Core 42 Social/Behavioral Sciences Requirement	3		ME 131 Engineering Graphics	1			
Core 42 Elective	2		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
CS 394R Applied Probability	3		ECE 228/229 Computer Design/Lab	4			
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			
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Students should consult with an academic advisor to be sure that courses for the MDHE Core 42 satisfy the requirements before enrolling.

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