



Transfer Guide
Associate of Science
BS-Electrical & Computer Engineering



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
CHEM 124/125 General Chemistry I/Lab OR BIOL 121 Biology of Non-Majors	4-5	ENGL 122 Composition II	3		
ENGL 121 Composition I	3	MATH 242 Calculus II	5		
MATH 241 Calculus I	5	PHYS 220 Engineering Physics I	5		
Arts & Humanities course	3	Social & Behavioral Sciences course	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
COMS 120 or 121	3	CS 200 Concepts of Programming Algorithms C++	4		
MATH 243 Calculus III	5	MATH 254 Differential Equations	4		
PHYS 221 Engineering Physics II	5	Social & Behavioral Sciences course	3		
Arts & Humanities Course	3	Cultural Diversity course	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
ME 130 Engineering Graphics	3	ECE 228/229 Computer Design/Lab	4		
ECE 226/227 Logic Design/Lab^	4	ECE 276/277 Circuit Theory I/Lab	4		
ECE 341R Applied Engineering Analysis II	3	ECE 348 Discrete Math & Probability	3		
CS 304 Ethics & Professionalism	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 4	Hrs
ECE 358 or 474 Control or Comm Systems	3	ECE 403 Senior Design II	2		
ECE 402 Senior Design I	3	ECE Elective 400 level	3		
E&C-ENGR 486 Pattern Recognition	3				
ECE Elective 400 level	3				
ECE Elective 400 level	3				

To be exempt from the UMKC Essentials or Missouri Core 42 general education requirements, JCCC students are encouraged to complete the Associate of Science degree.

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