

STEM Transfer Guide-Suggested Courses for Electrical & Computer Engineering Students (Cottery College)

Cottery—Fall Semester 1	Hrs	Cottery—Spring Semester 1	Hrs	Summer Semester 1	Hrs
FWS 101 First Year Writing Seminar	3	WRI 102 College Writing	3		
MAT 210 Calculus 1	4	MAT 220 Calculus 2	4		
PHY 205 General Physics 1 & Lab	4	PHY 206 General Physics 2 & Lab	4		
IDS 101 Step Into Cottery	2	Women, Gender & Sexuality Course	3		
PHE 139 Lifetime Fitness Concepts	3	General Elective	3		

Cottery—Fall Semester 2	Hrs	Cottery—Spring Semester 2	Hrs	Summer Semester 2	Hrs
CHE 210/211 General Chemistry 1 & Lab	5	Social Sciences Course	3		
MAT 230 Calculus 3	4	MAT 240 Differential Equations	3		
Additional Life Science Requirement	4	Fine Arts Course	3		
Humanities Course	3	General Elective	3		
		General Elective	3		

Transfer-In Guide (Cottery College) – Electrical & Computer Engineering BS (UMKC)

UMKC—Fall Semester 1	Hrs	UMKC—Spring Semester 1	Hrs	UMKC—Summer Semester 1	Hrs
E&C-ENGR 130 Engineering Graphics	3	E&C-ENGR 228 Intro to Computer Design	3		
E&C-ENGR 216 Engineering Computation	4	E&C-ENGR 229 Intro to Computer Design Lab	1		
E&C-ENGR 226 Logic Design	3	E&C-ENGR 276 Circuit Theory I	3		
E&C-ENGR 227 Logic Design Lab	1	E&C-ENGR 227 Circuit Theory I Lab	1		
E&C-ENGR 341R Applied Eng Analysis II	3	COMP-SCI 394R Applied Probability	3		
		COMP-SCI 304 Ethics & Professionalism	3		

UMKC—Fall Semester 2	Hrs	UMKC—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
E&C-ENGR 334 Semiconductors & Devices	3	E&C-ENGR 302 Electromag Waves/Fields	3		
E&C-ENGR 376 Circuit Theory II	3	E&C-ENGR 303 Electromag Waves/Fields Lab	1		
E&C-ENGR 377 Circuit Theory II Lab	1	E&C-ENGR 330 Electronic Circuits	3		
E&C-ENGR 380 Signals & Systems	3	E&C-ENGR 331 Electronic Circuits Lab	1		
E&C-ENGR 381 Signals & Systems Lab	1	E&C-ENGR 428R Embedded Systems	3		
E&C-ENGR 426 Microcomp Arch/Interface		E&C-ENGR 429 Embedded Systems Lab	1		
E&C-ENGR 427 Microcomp Arch/Interface Lab		E&C-ENGR 466 Power Systems I	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
E&C-ENGR 358 Intro to Control Systems OR E&C-ENGR 474 Intro to Communication Sys	3	E&C-ENGR 403 Senior Design II	3		
E&C-ENGR 402 Senior Design I	3	E&C-ENGR Elective (400-level)	3		
E&C-ENGR 416 Neural & Adaptive Systems	3	E&C-ENGR Elective (400-level)	3		
E&C-ENGR Elective (400-level)	3				