

STEM Transfer Guide-Suggested Courses for Computer Science 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		
Life Science Elective (lecture only)	3-4	Women, Gender & Sexuality Course	3		
IDS 101 Step Into Cottery	2	Social Science Course	3		
PHE 139 Lifetime Fitness Concepts	3	General Elective	3		

Cottery—Fall Semester 2	Hrs	Cottery—Spring Semester 2	Hrs	MCC-Summer Semester 2	Hrs
PHY 205 General Physics 1 & Lab	4	PHY 206 General Physics 2 & Lab	4	CSIS 123 Programming Fundamentals	3
MAT 130 Elementary Statistics	3	Fine Arts Course	3	MATH 141 Discrete Structures for CS	3
General Elective	3	General Elective	3		
Humanities Course	3	General Elective	3		
General Elective	3				

Transfer-In Guide (Cottery College) – Computer Science BS (UMKC)

UMKC—Fall Semester 1	Hrs	UMKC—Spring Semester 1	Hrs	UMKC—Summer Semester 1	Hrs
COMP-SCI 201R Problem Solv & Prog II	3	COMP-SCI 303 Data Structures	3	COMP-SCI 404 Intro to Algorithm & Comp	3
COMP-SCI 201L Problem Solv & Prog II Lab	1	COMP-SCI 320 Data Comm & Networking	3	COMP-SCI Elective (300/400 level)	3
COMP-SCI 291 Discrete Structures II	3	COMP-SCI 394R Applied Probability	3	COMP-SCI Elective (300/400 level)	3
COMP-SCI 281R Computer Arch & Org	3	COMP-SCI 304 Ethics & Professionalism	3		
MATH 300 Linear Algebra	3				

UMKC—Fall Semester 2	Hrs	UMKC—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
COMP-SCI 361 Introduction to Cybersecurity	3	COMP-SCI 451R Software Eng Capstone	3		
COMP-SCI 431 Operating Systems	3	COMP-SCI 456 Human Computer Interface	3		
COMP-SCI 441 Programming Lang Design/Imp	3	COMP-SCI 461 Introduction to AI	3		
COMP-SCI 449 Foundations of Software Eng	3	COMP-SCI Elective (300/400 level)	3		
COMP-SCI 470 Database Management	3	COMP-SCI Elective (300/400 level)	3		

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