



Transfer Guide

Associate in Arts – Liberal Arts & Sciences BS-Chemistry



KCKCC—Fall Semester 1	Hrs	KCKCC—Spring Semester 1	Hrs	KCKCC—Summer Semester 1	Hrs
CHEM 111 College Chemistry I/Lab	5	CHEM 112 College Chemistry II/Lab	5		
MATH 108 Precalculus	5	MATH 122 Calculus I	5		
COM 151 Public Speaking OR COM 201 Interpersonal Communication	3	ENGL 102 Composition II	3		
ENGL 101 Composition I	3	Humanities Course*	3		
BLUE 101 Freshman Seminar	1				
17		16			

KCKCC—Fall Semester 2	Hrs	KCKCC—Spring Semester 2	Hrs	KCKCC—Summer Semester 2	Hrs
MATH 123 Calculus II	5	MATH 224 Calculus III	5		
NASC 231 Gen Physics I OR 245 Engineering Physics I	5	NASC 232 Gen Physics II OR NASC 246 Engineering Physics II	5		
Social Science Course^	3	Humanities Course*	3		
		Social Science Course^	3		
13		16			

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CHEM 431 Physical Chemistry I	3	CHEM 432 Physical Chemistry II	3		
CHEM 341WI Analytical Chemistry I: Quantitative Analysis	4	CHEM 437WI Experimental Physical Chem I	3		
CHEM 321/lab Organic Chemistry I	4	BIOLOGY 251 Careers in Bio & Chem Sci I OR LIFE-SCI 201 Careers in Health I	1		
BIOLOGY 250 Careers in Bio & Chem Sci II (recommended; or LIFE-SCI 202 in spring)	1	CHEM 322/lab Organic Chemistry II	4		
General Elective	3	CHEM/BIOLOGY/PHYSICS/MATH 300/400 Major Elective	3		
15		14			

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CHEM 382 Inorganic & Organic Synthesis	2	CHEM 422R Analytical Chemistry II: Instrumental Analysis	3		
CHEM 367 Bioorganic Chemistry OR BIOLOGY 441 Biochemistry	3	CHEM 451R Inorganic Chemistry	3		
CHEM 471 Introduction to Polymer Chemistry	3	General Elective	3		
General Elective	3	General Elective	3		
CHEM 410 Chemical Literature	1	General Elective	2		
General Elective	3				
15		14			

*Students must take 6 hours from three different disciplines: Art/Humanities, History, Literature, Music, Philosophy or Theater, excluding performance courses.

^Students must take 6 hours from two different disciplines: Anthropology, Economics, Geography, Political Science, Psychology or Sociology.

**Required for AA in Liberal Arts & Sciences Degree at KCKCC.

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