

## Associate in Arts Years 1 and 2 at Metropolitan Community College

General Education Requirements		Credits
<b>American Institutions</b>		
HIST 120	American History I	3
HIST 121	American History II <i>or</i>	3
POLS 135	Introduction to Political Science <i>or</i>	
POLS 136	Introduction to American National Politics	
<b>Communications</b>		
ENGL 101	Composition and Reading I	3
ENGL 102	Composition and Reading II	3
SPDR 100	Fundamentals of Speech	3
<b>Humanities</b> (Choose 3 courses, one from each area below)		
ENGL 120, 121, 130, 155, 165, 220, 221, 222, <i>or</i> 223		3
ART 108, MUSI 108 <i>or</i> SPDR 114		3
Humanities elective		3
<b>Mathematics</b>		
MATH 150	Precalculus	3
<b>Natural Science</b>		
BIOL 106	General Zoology	5
GEOL 101	General Biology	5
<b>Social Science</b> (Two 3-hour courses in areas different from the student's American Institutions choice)		
ECON, HIST, POLS, PSYC, SOCI		6
<b>Electives</b> - 17-20 credits		
CSIS 110	Technology and Information Management <sup>1</sup>	3
MATH 180	Analytic Geometry and Calculus I	5
MATH 115	Statistics	3
CHEM 111	General College Chemistry I	5
CHEM 112	General College Chemistry II	5
<b>Total Credits Required</b>		<b>62</b>
Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the General Education Requirements.		
Exceptions section <sup>1</sup> Computer and Information Technology Requirement: A student who demonstrates competency in a programming course or software applications course will be exempt from this requirement.		

## Bachelor of Science in Geology Years 3 and 4 UMKC

Graduation Requirements		Credits
Interdisciplinary "cluster course"		3
GEOL 250	Field Methods	3
GEOL 312	Mineralogy	4
GEOL 313	Evolution & Geologic Records	3
GEOL 314	Geomorphology	3
GEOL 325	Sedimentology/Stratigraphy	3
GEOL 342	Petrology	3
GEOL 350	Earth Structures and Tectonics	4
GEOL/GEOG 398	Field Experience	3
GEOL 490	Field Camp	6
GEOL/GEOG 499	WI Senior Seminar	3
400 level Geol Elective (3 credits)		3
Elective Courses in Geology/Geography (12 minimum credits) - choose four courses from the following:		
GEOL 314	Principles of Geomorphology	12
GEOL 325	Sedimentology/Stratigraphy	
GEOL 342	Igneous and Metamorphic Petrology	
GEOL 370R	Hydrogeology	
GEOL 412	Geology and Hazardous Waste Management	
GEOL 442R	Optical Crystallography	
GEOL 460	Introduction to Geochemistry	
GEOL 471	Tectonics	
GEOL 472	Earthquake Geology	
GEOG 401	Introduction to GIS	
GEOG 442	Quaternary Environments	
GEOG 444	Geocomputation Methods	
<b>Additional Supporting Requirements</b>		
PHYS. For General and Eng. I <i>or</i> General Physics I		5
PHYS. For General and Eng. II <i>or</i> General Physics II		5
Preferred Course		
<b>36 credit hours must be at the junior/senior level</b>		
<b>Total Credits Required</b>		<b>120</b>
UMKC requires 43 credit hours of geology, including 36 credit hours of 300/400 level courses. at least 12 of these credit hours must be earned at UMKC. A 2.0 grade average in the approved departmental program is required. As part of the 36 hours or 300/400 level courses all majors are required to take one 400 level elective geology course. *For a BS degree, students must earn a total of 60 hours of Physical sciences and math.		