



**Transfer Guide**  
**Associate of Science**  
**BS Earth & Environmental Science**  
**Physical Geography Emphasis**



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
GEOS 130 Gen Geology OR GEOS 140 Physical Geography	5	CHEM 124/125 Gen Chemistry I & lab	5		
MATH 171 College Algebra	3	ENGL 122 Comp II OR ENGL 123 Tech Writing	3		
ENGL 121 Composition I	3	Social & Behavioral Sciences Course	3		
Humanities course	3	Humanities course	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
CHEM 131/132 Gen Chemistry II & lab	5	PHYSICS 131 College Physics II OR BIOL 150 Biology of Organisms	5		
COMS 120 or 121 Communication course	3	Cultural Diversity Course	3		
PHYSICS 130 College Physics I OR BIOL 135 Prin of Cell & Molecular Biology	4-5	Social & Behavioral Sciences Course	3		
General Elective	3	MATH 181 Statistics	3		
General Elective	3	General Elective (if needed for AS degree)	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
GEOG 203 Introduction to Geographic Information Systems	4	GEOG 215 Weather and Climate	4		
GEOLOGY 250L Field Methods in Earth and Environmental Science	3	GEOG 402 Environmental Remote Sensing and Digital Image Analysis	4		
GEOG 316 OR 314	4	GEOG Major Elective 300/400	3		
General Elective	3	GEOG Major Elective 300/400	3		
General Elective	3	General Elective 300/400 level	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
GEOG 444 Spatial Data Analysis	4	ENV-STDY 499WI or GEOG 403WI	3		
GEOG 401 Advanced Geographic Information Science	4	GEOG 406 Global Environmental Change OR ENV-SCI 449 Global Water and Sustainability	3		
GEOG Major Elective 300/400	3	General Elective 300/400 level (if needed)	3		
ENV-STDY 325 Cultural Perspectives on the Environment	3	General Elective (if needed)	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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