



Transfer Guide
Associate of Science
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 173 Precalculus	3	ENGL 122 Comp II or ENGL 123 Tech Writing	3		
ENGL 121 Composition I	3	MATH 241 Calculus I	5		
Arts & Humanities Course	3	Arts & Humanities Course	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	JCCC—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 Communications 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		
Social & Behavioral Sciences Course	3	MATH 181 Statistics	3		
General Elective	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 314 Principles of Geomorphology or GEOG 360 Principles of Biogeography	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 Env Studies Practicum or GEOG 403WI History & Philosophy of Geoscience	3		
GEOG 401 Advanced Geographic Info Science	4	GEOG 406 Global Environmental Change 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/Env	3	General Elective (if needed)	3		

To be exempt from the UMKC Essentials or Missouri Core 42 general education requirements, students are encouraged to complete the Associate of Science degree.

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