

Four Year Graduation Plan – Courses & Critical Benchmarks:

The following is a sample course of study. It is the Student's responsibility to ensure that all program requirements are met. This guide is not a substitute for academic advisement. For more information see the University Catalog at umkc.edu/catalog.

Your path to graduation may vary based on factors such as college credit you earned while in high school, transfer work from other institutions of higher learning, and placement in Mathematics. You are responsible for checking prerequisites to any courses. Critical Courses and minimum recommended grades (as noted below) provide feedback regarding major fit and help indicate likelihood of successful completion of chosen academic program and degree.

Please Note: Students who do not place into MATH 210 Calculus I may have to complete preparatory math coursework, potentially adding 3 – 8 hours to the total hours required for the degree.

First Math Course:	MATH 210 Calculus I	Foreign Language Requirement:	No	General Elective Hours:	11
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Critical Course	Course Subject, Number, & Title and Academic Plan Benchmarks Bold = UMKC General Education Core requirement *Prerequisite May Be Required ** Co-Requisite Enrollment Required	Min. Rec. Grade	Credit Hours	Notes
Fall Semester Year 1: 15 hours				
◆	GEOLOGY 220 General Geology + GEOLOGY 220L Lab (Focus B + CAS Lab Requirement)	C	5	1 Enrollment restricted. Must take ALEKS Math Placement Exam or show prerequisite requirement has been met prior to enrolling.
◆	*MATH 210 Calculus I ¹ (Focus Elective)	C	4	
	**ANCHOR I Reasoning & Values Click for options		3	
	**DISC 100 Reasoning & Values (Speech & Writing) Click for options		3	
Complete 14 credit hours toward degree Earn minimum 2.00 term GPA				Register for UMKC Roo Career Network
Spring Semester Year 1: 15-16 hours				
	GEOLOGY Major Elective (GEOG 203 Introduction to GIS recommended)		3	² BIOLOGY 108 is required for the Geology BS, but High School Biology satisfies this requirement.
	BIOLOGY 108 General Biology I + BIOLOGY 108L Lab ² OR General Elective		3-4	
	**Anchor II Culture & Diversity Click for options		3	
	**DISC 200 Culture & Diversity (Speech & Writing) Click for options		3	
	General Elective		3	
Complete 16 credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 1: 0-4 hours				
◆	MATH 210 Calculus I (if not already completed)	C	3-4	Recommend MATH 210 over the summer if not yet completed to stay on track for degree.
Complete Anchor I & DISC 100 Complete Math Requirement Complete at least 30 total credit hours toward degree Maintain a minimum 2.00 cumulative GPA				
Fall Semester Year 2: 15-16 hours				
◆	*GEOLOGY 250L Field Methods in Earth & Environmental Science OR CAS Arts & Humanities Requirement Click for options	C	3	Take the RooWriter Assessment after completing DISC 200. Must
◆	*GEOLOGY 325 Sedimentology / Stratigraphy	C	4	

	CHEM 211 General Chemistry I + CHEM 211L Lab (CAS Science & Math Requirement)		5	complete prior to enrolling in a Writing Intensive (WI) course.
	BIOLOGY 108 General Biology I + BIOLOGY 108L Lab ² OR General Elective		3-4	
Complete 15 credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 2: 14-15 hours				
◆	*GEOLOGY 251 Field Methods in Earth & Env. Science (if GEOLOGY 250L not taken above) OR CAS Arts & Humanities Click for options	C	3	
	*CHEM 212R General Chemistry II + CHEM 212RL Lab		5	
	GEOLOGY 3XX/4XX Elective Click for options (GEOLOGY 313 Evolution & the Geologic Record OR GEOLOGY 314 Geomorphology Recommended)		3-4	
	Focus A Arts & Humanities Click for options		3	
Complete 14 credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 2: 0-6 hours				
	GEOLOGY 490 Geology Field Camp ⁴		6	⁴ Summer year 2 Students may take GEOLOGY 490 by permission.
Complete Anchor II & DISC 200 Complete RooWriter Assessment Complete at least 60 total hours toward degree Maintain minimum 2.00 cumulative GPA				
Fall Semester Year 3: 14-15 hours				
	GEOLOGY 312 Mineralogy		4	⁵ PHYSICS 240 is the preferred course for the professional degree. ⁶ HISTORY 101, 102, or POL-SCI 210 meet both Focus C & Missouri Constitution Requirements.
	*PHYSICS 210 General Physics I OR *PHYSICS 240 Physics for Scientists & Engineers I ⁵		4-5	
	Focus C Human Actions, Values, & Ethics Click for options (HISTORY 101, 102, or POL-SCI 210 Recommended ⁶)		3	
	CAS Social & Behavioral Sciences Requirement Click for options (Complete MO Constitution requirement if not met with Focus Elective)		3	
Complete 14 credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 3: 14-15 hours				
	GEOLOGY 350 Earth Structures & Tectonics		4	⁷ PHYSICS 250 is the preferred course for the professional degree.
	*PHYSICS 220 General Physics II OR *PHYSICS 250 Physics for Scientists & Engineers II ⁷		4-5	
	** Anchor III Civic & Community Engagement Click for options		3	
	** DISC 300 Civic & Community Engagement (Speech & Writing) Click for options		3	
Complete 13 credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 3: 0-6 hours				
	GEOLOGY 490 Geology Field Camp (if not completed above)		6	
Complete Anchor III & DISC 300 Complete GEOLOGY 490 Complete at least 90 total hours toward degree Maintain minimum 2.00 cumulative GPA				
Fall Semester Year 4: 15-16 hours				

	*GEOG 444 Spatial Data Analysis ⁸ OR *STAT 235 Elementary Statistics		3	⁸ STAT 235 or GEOG 444 will satisfy this degree requirement. GEOG 444 is the recommended course. Apply for graduation & complete your Final Degree Audit for Major and Minor (if applicable). Take the ETS Proficiency Profile (EPP) exit exam.
	GEOLOGY 3XX/4XX Elective Click for options (GEOLOGY 313 Evolution & the Geologic Record OR GEOLOGY 314 Geomorphology Recommended)		3-4	
	CAS Arts & Humanities Requirement Click for options		3	
	CAS Social & Behavioral Sciences Requirement Click for options		3	
	General Elective		3	
Complete 15 credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 4: 10-13 hours				
	GEOLOGY 499WI Geology Seminar (CAS Writing Intensive Requirement)		3	Take Major Field (MF) exit exam.
	GEOLOGY 3XX/4XX Elective Click for options		3-4	
	General Elective		3	
	General Elective (Only if needed to reach 120 hours)		1-3	
Earn minimum 2.00 term GPA				

Graduation Requirements Summary

Total Hours	Total Hours at UMKC	Upper Lvl Hrs in Major at UMKC	Upper (300 / 400) level hours	Major GPA	UMKC GPA
120	30 minimum	26 minimum	36 minimum	2.00 minimum	2.00 minimum

Other Information

A minimum of 30 hours must be earned at the University of Missouri-Kansas City, regardless of the number and level of hours earned at another institution. Undergraduate degree-seeking students are required to earn credit in at least 36 hours of coursework numbered 300 and above at UMKC. In the case of transfer credit, the coursework must be numbered as junior-senior level work by the transferring institution. Community-college transfer coursework cannot count towards the 36-hour requirement.

Non-course requirements

RooWriter Writing Assessment
 ETS Proficiency Profile (EPP) exam
 Major Field (MF) exam

Met

Policy

The University reserves the right to make changes in courses and course schedules without notice. Students are expected to maintain a quality of achievement significantly above minimum UMKC standards for degree work. Individual student progress will be monitored throughout the program. Satisfactory progress is required of all students for retention in the program. Students are expected to maintain academic standards, perform satisfactorily in courses, refrain from academic dishonesty, comply with the established University and teacher education timetables and requirements, and refrain from unethical or unprofessional behavior or behaviors that obstruct the training process or threaten the welfare of the student or others. Other circumstances involving student behavior will be addressed by the faculty on an individual basis.

Advising Contact Information

College of Arts & Sciences Student Services
 09 Scofield Hall (basement)
<http://cas.umkc.edu/advising/default.asp>
 816-235-1148

Career Opportunities

UMKC Career Services – career.umkc.edu | 816-235-1636 | 2nd Floor, Atterbury Student Success Center

O*Net OnLine – onetonline.org enter your major's Classification of Instructional Programs (CIP) code to learn about careers related to your major.

Major CIP: 400601