

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 120 Pre-Calculus or higher may have to complete preparatory math coursework, potentially adding hours to the total hours required for the degree.

First Math Course:	MATH 210 Calculus I	Foreign Language Requirement:	No	General Elective Hours:	10
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Critical Course	Course Subject, Number, & Title and Academic Plan Benchmarks Bold = UMKC General Education Core requirement ** Co-Requisite Enrollment Required	Min. Recom. Grade	Credit Hours	Notes
Fall Semester Year 1: 15-16 hours				
◆	GEOL 220 +220L General Geology with lab (Focus B)	B	5	*Students interested in continuing their studies in a graduate program should consider taking PHYS 240.
◆	CHEM 211+211L General Chemistry I with Lab (Focus Elective) OR PHYS 210+210L General Physics 1 with lab (Focus Elective)*	B	4-5	
	**Anchor I Reasoning & Values Click for options		3	
	**DISC 100 Reasoning & Values (Speech & Writing) Click for options		3	
Complete 15+ credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 1: 14-16 hours				
◆	CHEM 212+212L General Chemistry 2 with Lab (Focus Elective) OR PHYS 220+220L General Physics 2 with lab (Focus Elective)*	B	4-5	Register for UMKC Handshake career network . 1 Students may complete MATH 110, MATH 125, and MATH 210. *Students interested in continuing their studies in a graduate program should consider taking PHYS 250.
	MATH 120 Precalculus OR MATH 210 Calculus I ¹		4-5	
	**Anchor II Culture & Diversity Click for options		3	
	**DISC 200 Culture & Diversity (Speech & Writing) Click for options		3	
Complete 14+ credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 1: 0-3 hours				
Complete Anchor I, II & DISC 100, 200 Complete at least 28 total credit hours toward degree Maintain a minimum 2.00 cumulative GPA				
Fall Semester Year 2: 14-15 hours				
◆	GEOG 203 Intro to Geographic Information Systems	B	4	2 HISTORY 101, 102, & POL-SCI 210 fulfill both the Focus C & Missouri Constitution requirement .
	Focus C Human Values & Ethical Reasoning Click for options (HISTORY 101, 102, or POL-SCI 210 recommended ²)		3	
◆	CHEM 211+211L General Chemistry I with Lab (Focus Elective) OR PHYS 210+210L General Physics 1 with lab (Focus Elective)*	B	4-5	

	Geology 250L Field Methods in Earth and Enviro Sci		3	Take the RooWriter Assessment after completing DISC 200. Must complete prior to enrolling in a Writing Intensive (WI) course.
Complete 14+ credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 2: 15-16 hours				
	Focus A Arts & Humanities Click for options		3	*Students interested in continuing their studies in a graduate program should consider taking PHYS 250.
◆	CHEM 212+212L General Chemistry 2 with Lab (Focus Elective) OR PHYS 220+220L General Physics 2 with lab (Focus Elective)*		4-5	
	GEOL 350 Earth Structures and Tectonics		4	
	MATH 210 Calculus I (if not yet completed)		4	
Complete 15+ credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 2: 0 hours				
Complete Anchor II & DISC 200 Complete RooWriter Assessment Complete at least 60 credit hours toward degree Maintain minimum 2.00 cumulative GPA				Students may use the summer to ensure completion of 30 hours per academic year or to lighten fall and spring course loads.
Fall Semester Year 3: 14 hours				
	GEOL 312 Mineralogy		4	
	GEOL 325 Sedimentology/Stratigraphy		4	
	**Anchor III Civic & Community Engagement Click for options		3	
	**DISC 300 Civic & Community Engagement (Speech & Writing) Click for options		3	
Complete 14 credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 3: 13-14 hours				
	ENV-SCI 303 Weather & Climate		4	Apply for graduation & complete your Final Degree Audit for Major and Minor (if applicable).
	ENV-STDY 325 Cultural Perspectives on the Environment		3	
	Geology emphasis area elective Click for options		3-4	
	CAS Arts & Humanities Requirement Click for options		3	
Complete 13+ credit hours toward degree Earn minimum 2.00 term GPA				
Summer Semester Year 3: 6 hours				
	GEOL 490 Geology Field Camp		6	Students may use the summer to ensure completion of 30 hours per academic year or to lighten fall and spring course loads.
Complete Anchor III & DISC 300 Complete at least 90 credit hours towards degree Maintain minimum 2.00 cumulative GPA				
Fall Semester Year 4: 13-14 hours				
	GEOG 444 Spatial Data Analysis		4	Take the HEIghten exit exam.
	CAS Arts & Humanities Requirement Click for options		3	
	CAS Social & Behavioral Science Requirement Click for options		3	
	General Elective		4	
Earn minimum 2.00 term GPA				

Spring Semester Year 4: 12 hours				
	ENV-STDY 499WI Environmental Studies Practicum OR GEOG 499WI Geography Seminar OR GEOLOGY 499WI Seminar OR GEOG 403WI History & Philosophy of Geoscience		3	
	CAS Social & Behavioral Science Requirement Click for options		3	
	General Elective		3	
	General Elective		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 minimum	30 minimum	12 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

Missouri Higher Education Civics Achievement Examination _____
 RooWriter Assessment _____
 HEIghten exit exam _____

Policy

The University reserves the right to make changes in courses and course schedules. 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 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 Learn about careers related to your major, income potential, and more.