

**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](http://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 STAT 235 Elementary Statistics or higher may have to complete preparatory math coursework, potentially adding 3-6 hours to the total hours required for the degree.

<b>First Math Course:</b>	STAT 235 Elementary Statistics	<b>Foreign Language Requirement:</b>	No	<b>General Elective Hours:</b>	21
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Critical Course	Course Subject, Number, & Title and Academic Plan Benchmarks <b>Bold = UMKC General Education Core requirement</b> ** Co-Requisite Enrollment Required	Min. Rec. Grade	Credit Hours	Notes
<b>Fall Semester Year 1: 15-16 hours</b>				
◆	ENV-SCI 110R+110L Understanding the Earth with Lab ( <b>Focus B</b> )	C	5	
◆	BIOLOGY 108+108L General Biology I with Lab ( <b>Focus Elective</b> ) OR CHEM 211+211L General Chemistry I with Lab ( <b>Focus Elective</b> )	C	4-5	
	**Anchor I Reasoning & Values <a href="#">Click for options</a>		3	
	**DISC 100 Reasoning & Values (Speech & Writing) <a href="#">Click for options</a>		3	
Complete 15+ credit hours toward degree Earn minimum 2.00 term GPA				
<b>Spring Semester Year 1: 13-14 hours</b>				
◆	BIOLOGY 108+108L General Biology I with Lab ( <b>Focus Elective</b> ) OR CHEM 211+211L General Chemistry I with Lab ( <b>Focus Elective</b> )	C	4-5	Register for <a href="#">UMKC Roo Career Network</a> .
	STAT 235 Elementary Statistics <sup>1</sup>	C	3	
	**Anchor II Culture & Diversity <a href="#">Click for options</a>		3	<sup>1</sup> Enrollment restricted. Must take <a href="#">ALEKS Math Placement Exam</a> or show prerequisite requirement has been met prior to enrolling.
	**DISC 200 Culture & Diversity (Speech & Writing) <a href="#">Click for options</a>		3	
Complete 13+ credit hours toward degree Earn minimum 2.00 term GPA				
<b>Summer Semester Year 1: 0-3 hours</b>				
	MATH 110 College Algebra (if necessary)		3	Recommend completing MATH 110 over the summer if tested into MATH 100.
Complete Anchor I & DISC 100 Complete at least 30 total credit hours toward degree Maintain a minimum 2.00 cumulative GPA				

Fall Semester Year 2: 16-17 hours				
◆	ENV-SCI 210 Issues in Environmental Science (Fall terms only)	C	3	Take the <a href="#">RooWriter Assessment</a> after completing DISC 200. Must complete prior to enrolling in a Writing Intensive (WI) course.  <sup>2</sup> HISTORY 101, 102, & POL-SCI 210 fulfill both the <b>Focus C</b> & <a href="#">Missouri Constitution requirement</a> .
	<b>Focus C Human Values &amp; Ethical Reasoning</b> <a href="#">Click for options</a> (HISTORY 101, 102, or POL-SCI 210 recommended <sup>2</sup> )		3	
◆	BIOLOGY 109+109L General Biology II with Lab OR CHEM 212R+212LR General Chemistry II with Lab		4-5	
	STAT 235 Elementary Statistics (if not previously completed) OR General Elective		3	
	<b>Focus A Arts &amp; Humanities</b> <a href="#">Click for options</a>		3	
Complete 16+ credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 2: 15-17 hours				
	Major Elective 3XX/4XX in Social Science(SS); Natural Science (NS); or Ethics, Jurisprudence & Culture (E) <sup>3</sup> <a href="#">Click for options</a>		3	<sup>3</sup> At least one course is required from each of the three divisions of learning: Social Science (SS), Natural Science (NS) or Ethics, Jurisprudence, and Culture (E).
◆	BIOLOGY 109+109L General Biology II with Lab OR CHEM 212R+212LR General Chemistry II with Lab OR GEOG 360 Principles of Biogeography (Spring terms only)		3-5	
	CAS Arts & Humanities Requirement <a href="#">Click for options</a>		3	
	CAS Social & Behavioral Sciences Requirement <a href="#">Click for options</a> (Complete <a href="#">MO Constitution requirement</a> <sup>3</sup> if not met above)		3	
	Elective in Math or Science – Science Recommended		3	
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: 16 hours				
	GEOG 215 Intro to Weather & Climate OR GEOG 319 Synoptic Meteorology		4	
	GEOLOGY 250L Field Methods in Earth & Enviro Sci (Fall term only) OR Math or Science Elective – Science Recommended		3	
	General Elective		3	
	<b>**Anchor III Civic &amp; Community Engagement</b> <a href="#">Click for options</a>		3	
	<b>**DISC 300 Civic &amp; Community Engagement</b> (Speech & Writing) <a href="#">Click for options</a>		3	
Complete 16 credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 3: 15-16 hours				
	Major Elective 3XX/4XX in Social Science(SS); Natural Science (NS); or Ethics, Jurisprudence & Culture (E) <a href="#">Click for options</a>		3-4	
	GEOLOGY 251L Field Methods in Earth & Enviro Sci Off-Campus (Spring Only, take if GEOLOGY 250 not taken above) OR Math or Science Elective – Science Recommended		3	
	CAS Social & Behavioral Sciences Requirement (if not fulfilled by SS elective outside department) OR General Elective		3	
	CAS Arts & Humanities Requirement <a href="#">Click for options</a>		3	
	Math or Science Elective – Science Recommended		3	
Complete 15+ credit hours toward degree Earn minimum 2.00 term GPA				

Summer Semester Year 3				
Complete Anchor III & DISC 300 Complete at least 90 credit hours towards 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 4: 15-17 hours				
	Major Elective 3XX/4XX in Social Science(SS); Natural Science (NS); or Ethics, Jurisprudence & Culture (E) <a href="#">Click for options</a>		3-4	<a href="#">Apply for graduation</a> & complete your Final Degree Audit for Major and Minor (if applicable).  Take the <a href="#">ETS Proficiency Profile (EPP)</a> exit exam.
	Math or Science Elective – Science Recommended		3	
	Math or Science Elective – Science Recommended		3	
	General Elective		3	
	General Elective		3	
Complete 15+ credit hours toward degree Earn minimum 2.00 term GPA				
Spring Semester Year 4				
	ENV-STDY 499WI Environmental Studies Practicum OR GEOG 499WI Geography Seminar OR GEOLOGY 499WI Seminar OR GEOG 403WI History & Philosophy of Geoscience		3	Take <a href="#">Major Field (MF)</a> exit exam.
	General Elective (ENV-STUDY 496 Internship Recommended)		3	
	General Elective		3	
	General Elective		3	
	General Elective (if needed to reach 120 hours)		0-3	
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

RooWriter Assessment \_\_\_\_\_  
 Major Field Exam \_\_\_\_\_  
 ETS Proficiency Profile \_\_\_\_\_

### 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](http://career.umkc.edu) | 816-235-1636 | 2<sup>nd</sup> Floor, Atterbury Student Success Center.  
O\*Net OnLine – [OnetOnline.org](http://OnetOnline.org) Learn about careers related to your major, income potential, and more.