

Four-Year Graduation Plan - Courses and 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. **All incoming freshmen must develop an academic plan (which maps out all courses needed to graduate within your intended major/degree). Your academic advisor is available to meet with you and create your specific plan.**

*Your path to graduation may vary slightly 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.*

First Math	MATH 110 or 200-level MATH/STAT	Foreign Language Requirement	No	Free Elective Hours	3-18
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Critical Course or Benchmark	Course Subject, Number, and Title and Academic Plan Benchmarks Bold = UMKC General Education Core Requirement *Prerequisite May Be Required **Co-Requisite Enrollment Required	Min Recom Grade	Credit Hours (CH)	Notes
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Fall Semester Year 1: 15-16 hours

	<b>**Anchor I: Reasoning and Values</b> - Recommend UPD/URBAN ST 101: Intro to Urban Studies/The City		3	ENV-SCI 110R satisfies <b>Focus B: Scientific Reasoning &amp; Quantitative Analysis Requirement.</b>
	<b>**DISC 100: Reasoning and Values</b> (Speech and Writing)		3	
◆	ENV-SCI 110R: Understanding the Earth ( <b>Focus B</b> )		3	
◆	ENV-SCI 110L: Understanding the Earth		2	
◆	BIOLOGY 108: General Biology I ( <b>Focus Elective</b> ) OR CHEM 211: General Chemistry I (CAS Science & Math Requirement)	C	3-4	
◆	BIOLOGY 108L: General Biology I Laboratory OR CHEM 211L: General Chemistry I Laboratory (CAS Laboratory Requirement)	C	1	
◆	Complete 15 term hours toward degree (recommended), 12 minimum (required). Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.			

Spring Semester Year 1: 13-14 hours

	<b>**Anchor II: Culture and Diversity</b> - Recommend: UPD/URBAN ST 206: Cities of the World		3	The ALEKS Math Placement Exam is required prior to enrollment in MATH 110 and some 200-level MATH/STATS courses. <a href="http://www.umkc.edu/mathplacement/">www.umkc.edu/mathplacement/</a>
	<b>**DISC 200: Culture and Diversity</b> (Speech and Writing)		3	
◆	BIOLOGY 108: General Biology I ( <b>Focus Elective</b> ) OR CHEM 211: General Chemistry I (CAS Science & Math Requirement)	C	3-4	
◆	BIOLOGY 108L: General Biology I Laboratory OR CHEM 211L: General Chemistry I Laboratory	C	1	
	MATH 110: College Algebra OR *MATH/STAT 200+		3	
◆	Complete Anchor I and DISC 100. Complete 30 total hours minimum toward degree. Complete Math requirement (110 or 200-level MATH/STAT course). Complete 15 term hours toward degree (recommended), 12 minimum (required). Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.			If ALEKS places student in MATH 100: Intermediate Algebra, student may complete Math requirement in the first summer.  MATH 110: College Algebra or any 200 or higher-level MATH/STAT course fulfills the CAS Math Requirement and counts toward the CAS Science

& Math Requirement.

Summer Semester Year 1: 0 hours if all previous courses completed

May use summer semester ensure completion of 30 hours per academic year or to lighten fall and spring course loads.		
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Fall Semester Year 2: 16-17 hours

◆ ENV-SCI 210: Issues in Environmental Science (offered in fall only)	B	3	Take the RooWriter Writing Assessment the semester immediately following DISC 200 and at least a semester before registering for a Writing Intensive course. <a href="https://net3.umkc.edu/intapps/RooWriter/logon.aspx">https://net3.umkc.edu/intapps/RooWriter/logon.aspx</a>  POL-SCI 210, HISTORY 101 or 102 fulfill <b>Focus C: Human Actions, Values, and Ethics</b> as well as the Constitution requirement.
<b>Focus C: Human Actions, Values, and Ethics</b> <a href="#">Click for options</a> (May choose Focus C course to also fulfill MO Constitution Requirement)	C	3	
STAT 235: Elementary Statistics (CAS Science & Math Requirement) OR Electives in Math or Science (for BS)		3	
BIOLOGY 109: General Biology II OR *CHEM 212R: General Chemistry II		3-4	
BIOLOGY 109L: General Biology II Laboratory OR *CHEM 212LR: General Chemistry II Laboratory		1	
<b>Focus A: Arts and Humanities</b> <a href="http://www.umkc.edu/core/courses/">http://www.umkc.edu/core/courses/</a>		3	

◆ Complete 15 term hours toward degree (recommended), 12 minimum (required). Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.

Spring Semester Year 2: 15-17 hours

3XX/4XX: Elective in Social Science (SS), Natural Science (NS) or Ethics, Jurisprudence, and Culture (E) <a href="#">Click for options</a>		3	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)
◆ *CHEM 212R: General Chemistry II (if not already taken above) OR BIOLOGY 109: General Biology II OR GEOG 360: Principles of Biogeography (spring only)	C	3-4	
◆ *CHEM 212LR: General Chemistry II Laboratory (if not already taken above) OR BIOLOGY 109L: General Biology II Laboratory (only take one of these if BIOLOGY 109 or CHEM 212R is also taken)	C	0-1	
CAS Arts & Humanities Requirement <a href="#">Click for options</a>		3	
Missouri Constitution course (if not fulfilled by above) OR other CAS Social & Behavioral Sciences Requirement <a href="#">Click for options</a>		3	
Electives in Math or Science (for BS)—Science recommended		3	


◆ Complete Anchor II and DISC 200.  
 Complete 60 total hours toward degree.  
 Complete 15 term hours toward degree (recommended), 12 minimum (required).  
 Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.

Summer Semester Year 2: 0 hours if all previous courses completed

Fall Semester Year 3: 16 hours


**Anchor III: Civic and Community Engagement - ANCH 301: Environmental Sustainability or ANCH 302: Archeology of Ancient Disasters recommended		3
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	<b>**DISC 300: Civic and Community Engagement</b> (Speech and Writing)		3
	GEOG 215: Intro to Weather and Climate OR GEOG 319: Synoptic Meteorology		4
	GEOLOGY 250L: Field Methods in Earth and Environmental Science (fall only) OR Electives in Math or Science (for BS)—Science recommended		3
	CJC 263: Introduction to Statistics in Sociology/Criminal Justice (if STAT 235 not fulfilled above) OR Free Elective		3

 Complete RooWriter Writing Assessment.  
Complete 15 term hours toward degree (recommended), 12 minimum (required).  
Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.

**Spring Semester Year 3: 15-16 hours**


	3XX/4XX: Elective in Social Science (SS), Natural Science (NS) or Ethics, Jurisprudence, and Culture (E) <a href="#">Click for options</a>		3-4
	GEOLOGY 251: Field Methods in Earth and Environmental Science: Off-campus (spring only—take if GEOLOGY 250L not taken above) OR Electives in Math or Science (for BS)—Science recommended		3
	CAS Social & Behavioral Sciences Requirement <a href="#">Click for options</a> (if not fulfilled by SS elective outside department) OR Free Elective		3
	CAS Arts & Humanities Requirement <a href="#">Click for options</a>		3
	Electives in Math or Science (for BS)—Science recommended		3

 Complete 15 term hours toward degree (recommended), 12 minimum (required).  
Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.

**Summer Semester Year 3: 0 hours if all previous courses completed**

**Fall Semester Year 4: 15-17 hours**

	3XX/4XX: Elective in Social Science (SS), Natural Science (NS) or Ethics, Jurisprudence, and Culture (E) <a href="#">Click for options</a>		3-4	Apply for graduation and complete Final Degree Audits for the following: UMKC General Education Core, CAS Degree Requirements, Major Requirements, and/or Minor Requirements.  Take the ETS Proficiency Profile (EPP) exit exam.
	3XX/4XX: Elective in Social Science (SS), Natural Science (NS) or Ethics, Jurisprudence, and Culture (E) <a href="#">Click for options</a>		3-4	
	Electives in Math or Science (for BS), if needed—Science recommended Or Free Elective		3	
	Electives in Math or Science (for BS), if needed—Science recommended Or Free Elective		3	
	Free Elective		3	

 Complete 15 term hours toward degree (recommended), 12 minimum (required).  
Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.


**Spring Semester Year 4: 9-15 hours**

	^ENV-STDY 499WI: Environmental Studies Practicum (CAS Writing Intensive Requirement)		3	^GEOG 499WI, GEOLOGY 499WI, OR GEOG 403WI may be substituted for ENV-STDY
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# UMKC Major Map: Bachelor of Science in Environmental Science

## First-Time College Students

Catalog Year: 2016 - 2017

	ENV-STDY 496: Internship (Recommended) OR Free Elective		3	499WI  In combination with required upper-level courses, take enough Free Elective hours at the 300/400-level to meet the minimum requirement of 36 upper-level credit hours.
	Electives in Math or Science (for BS), if needed—Science recommended Or Free Elective		3	
	<i>Free Elective (only take these credits if needed to reach 120 minimum hours)</i>		0-6	
	Complete 15 term hours toward degree (recommended), 12 minimum (required). Earn minimum 2.000 term GPA and minimum 2.00 cumulative UM GPA.			

## Graduation Requirements Summary

<b>Total Degree Credit Hours</b>	<b>Upper Level (3xx/4xx) Hour Requirement</b>	<b>Minimum Hour / Residency Req.</b>	
120	36	30	
<b>Major GPA</b>	<b>UM GPA</b>	<b>Other GPA Requirements</b>	<b>Other</b>
2.0	2.0		

## Policy

The School reserves the right to make changes in courses, degree requirements 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.

## Academic and Career Advising

College of Arts and Sciences Advising    09 Scofield Hall (Basement)    816.235.1148  
<http://cas.umkc.edu/advising/default.asp>

UMKC Career Services Resources: <http://www.career.umkc.edu/>    O\*Net OnLine: <http://www.onetonline.org/>