

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 MATH 116, or 200-level MATH/STAT	Foreign Language Requirement	Maybe	Free Elective Hours	Varies
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Pre-Medicine is a curricular designation, not a degree program. Students must declare a major and should refer to the Major Map that is linked to that degree program.

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: 15-17 hours

	**Anchor I: Reasoning and Values Click for options		3	The ALEKS Math Placement Exam is required prior to enrollment in MATH 110 and some 200-level MATH/STATS courses.
	**DISC 100: Reasoning and Values (Speech and Writing)		3	
	Focus B: Scientific Reasoning and Quantitative Analysis **CHEM 211: General Chemistry I	B	4	
	**CHEM 211L: General Chemistry I Laboratory (CAS Laboratory Requirement)	B	1	
	A&S 115: Career Possibilities (for Pre-professional students)	B	1	
	BIOLOGY 109: General Biology II (Focus Elective) OR PSYCH 210: General Psychology (Focus C – Human Values and Ethical Reasoning) OR MATH 110: College Algebra OR MATH 120: Precalculus OR MATH 125: Trigonometry OR *MATH 210: Calculus I OR STAT 235: Elementary Statistics	B	3-5	The MATH/STAT course should be chosen based on the requirements of the dental schools to which they plan to apply. CHEM 211L fulfills CAS Laboratory Experience Requirement
	<i>BIOLOGY 109L: General Biology II Laboratory (only take this course if BIOLOGY 109 is taken above)</i>	B	0-1	
	Complete 15 term hours toward degree (recommended), 12 minimum (required) Earn minimum 2.000 term GPA Earn minimum 2.000 cumulative UM GPA			

Spring Semester Year 1: 16 hours

	**Anchor II: Culture and Diversity Click for options	B	3	Science courses may count toward the CAS Science & Math Requirement, if taken outside the major department.
	**DISC 200: Culture and Diversity (Speech and Writing)	B	3	
	*/**CHEM 212R: General Chemistry II	B	4	

	***CHEM 212LR: General Chemistry II Laboratory	B	1
	BIOLOGY 108: General Biology I	B	3
	BIOLOGY 108L: General Biology I Laboratory	B	1
	A&S 215: Career Explorations (for Pre-professional students)	B	1

	Complete Anchor I and DISC 100 Complete 30 total hours minimum toward degree Complete Math requirement (110, 116, or 200-level MATH/STAT course) Complete 15 term hours toward degree (recommended), 12 minimum (required) Earn minimum 2.000 term GPA Earn minimum 2.000 cumulative UM GPA		
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Summer Semester Year 1: 0 hours if all previous courses completed

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Fall Semester Year 2: 14-16 hours

	***CHEM 321: Organic Chemistry I	B	3
	***CHEM 321L: Organic Chemistry I Lab	B	1
	A&S 315: Career Methods (for Pre-professional students)		1
	Focus A: Arts & Humanities – Click for options OR PSYCH 210: General Psychology (Focus C – Human Values and Ethical Reasoning)	B	3
	BIOLOGY 109: General Biology II (Focus Elective) OR MATH 110: College Algebra OR MATH 120: Precalculus OR MATH 125: Trigonometry OR *MATH 210: Calculus I OR STAT 235: Elementary Statistics	B	3-5
	<i>BIOLOGY 109L: General Biology II Laboratory (only take this course if BIOLOGY 109 is taken above)</i>	B	0-1
	Missouri Constitution course (if not fulfilled by above) – Click for options OR other CAS Social & Behavioral Sciences Requirement – Click for options		3

The MATH/STAT course should be chosen based on the requirements of the medical schools to which they plan to apply.

Take the [RooWriter Writing Assessment](#) the semester immediately following DISC 200 and at least a semester before registering for a Writing Intensive course.

	Complete 15 term hours toward degree (recommended), 12 minimum (required) Earn minimum 2.000 term GPA Earn minimum 2.000 cumulative UM GPA		
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Spring Semester Year 2: 14 hours

	***CHEM 322R: Organic Chemistry II	B	3
	***CHEM 322L: Organic Chemistry II Lab	B	1

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				a major and should refer to the Major Map that is linked to that degree program.
	PHYSICS 210: General Physics I	B	4	
	Focus A: Arts & Humanities – Click for options OR PSYCH 210: General Psychology (Focus C – Human Values and Ethical Reasoning)		3	
	CAS Arts & Humanities Requirement - Click for options		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 Earn minimum 2.000 cumulative UM GPA
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Summer Semester Year 2: 0 hours if all previous courses completed

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Fall Semester Year 3: 16 hours

	**Anchor III: Civic and Community Engagement Click for options		3	Students should refer to Major Map for chosen degree program. Consider taking prep course for LSAT. Take the LSAT.
	**DISC 300: Civic and Community Engagement (Speech and Writing)		3	
	PHYSICS 220: General Physics II		4	
	CAS Social & Behavioral Sciences Requirement - Click for options		3	
	CAS Arts & Humanities Requirement - Click for options		3	

	Complete RooWriter Writing Assessment Complete 15 term hours toward degree (recommended), 12 minimum (required) Earn minimum 2.000 term GPA Earn minimum 2.000 cumulative UM GPA
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Spring Semester Year 3 and on: refer to Major Map for declared major program

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hours at UMKC (30 hours min)	Major GPA	UMKC GPA
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Policy and Other Information

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.