

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:

- AP, IB, CLEP, or transfer credit may be applied to select courses below. See UMKC Registration and Records for details.
- Students may satisfy the DISC 100 requirement with ACT English subscore of 30 or above or SAT verbal subscore of 690 or above.
- **The following courses must be completed before beginning the 6-year combined degree curriculum in order to be able to complete the BA Biology:**
 - BIOLOGY 108+108L General Biology with lab (Focus B) (4 cr, min grade B) **OR**
 - CHEM 211 + 211L General Chemistry I with lab (Focus B) (5 cr, min grade B)

First Math Course:	STAT 235 Elementary Statistics OR MATH 210 Calculus I OR MATH 216 Calculus for Bio Sciences	Foreign Language Requirement:	None	General Elective Hours:	None
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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. Rec. Grade	Credit Hours	Notes
Fall Semester Year 1: 22-23 hours				
◆	LS-ANATO 219+219L Functional Anatomy I with Lab	B	4	
◆	BIOLOGY 108+108L General Biology with Lab (Focus Elective) OR CHEM 211 + 211L General Chemistry I with Lab (Focus Elective) OR CHEM 212R + 211LR General Chemistry II with Lab (Focus Elective)	B	4-5	
◆	MEDICINE 9110 Fundamentals of Medicine I	SP	5	
◆	MEDICINE 9115 Medical Terminology	SP	1	
◆	MEDICINE 9119 Learning Basic Medical Science	SP	1	
	**Anchor I Reasoning & Values Click for options		3	
	**DISC 100 Reasoning & Values (Speech & Writing) Click for options		3	
Complete 22-23 credit hours toward degree Earn minimum 2.8 term GPA				
Spring Semester Year 1: 19-20 hours				
◆	BIOLOGY 108+108L General Biology with Lab (Focus Elective) OR CHEM 212R + 211LR General Chemistry II with Lab (Focus Elective)	B	4-5	
◆	LS-MCRB 121+121L Human Biology III (Microbiology) with Lab	B	4	
◆	MEDICINE 9120 Fundamentals of Medicine II	SP	1	
	SOCIOL 101 Sociology: An Introduction (Focus C)		3	Take the RooWriter Assessment after completing DISC 200. Must complete prior to enrolling in a Writing Intensive (WI) course.
	PSYCH 210 General Psychology (Focus C)		3	
Complete 19-20 credit hours toward degree Earn minimum 2.8 term GPA				

Summer Semester Year 1: 9 hours				
◆	CHEM 320+320L Elementary Organic Chemistry with Lab	B	5	
◆	BIOLOGY 202 Cell Biology	B	3	
	MEDICINE 9221 Hospital team Experience		1	
Complete 9 credit hours toward degree Maintain a minimum 2.8 cumulative GPA				
Fall Semester Year 2: 22 hours				
◆	BMS 9265 Human Biochemistry	B	5	
◆	BIOLOGY 206 Genetics	B	3	
◆	SOCIOL 211 Sociology Life Cycles	B	3	
◆	MEDICINE 9220 Fundamentals of medicine IV	SP	4	
	**Anchor II Culture & Diversity Click for options		3	
	**DISC 200 Culture & Diversity (Speech & Writing) Click for options		3	
Complete 22 credit hours toward degree Earn minimum 2.8 term GPA				
Spring Semester Year 2: 23 hours				
◆	BMS 9296 Human Structure Function I	B	7	
◆	BMS 9297 Human Structure Function II	B	6	
◆	BMS 9298 Human Structure Function III	B	5	
◆	BMS 9220 Fundamentals of Medicine IV	B	4	
Complete 23 credit hours toward degree Earn minimum 2.8 term GPA				
Summer Semester Year 2: 10 hours				
◆	BMS 9299 Human Structure Function IV	B	4	
	MEDICINE 9310 History of Medicine		1	
	MEDICINE 9330 Clinical Correlations		5	
Complete 10 credit hours toward degree Maintain minimum 2.8 cumulative GPA				
Fall Semester Year 3: 24 hours				
	MEDICINE 9312 Pathology I		10	
	BMS 9311 Medical Neurosciences		9	
	MEDICINE 9308 Clinical Practice of Medicine I		3	
	MEDICINE 9383 Continuing Care Clinic		0	
	MEDICINE 9385 Introduction to Pharmacology (online)		2	
Complete 24 credit hours toward degree Earn minimum 2.8 term GPA				
Spring Semester Year 3: 26 hours				
	BMS 9310 Medical Microbiology		5	

	MEDICINE 9313 Pathology II		12	
	MEDICINE 9383 Continuing Care Clinic I		5	
	MEDICINE 9309 Clinical Practice of Medicine II		5	
Complete 26 credit hours toward degree Earn minimum 2.8 term GPA				
Summer, Fall, or Spring Semester Year 4: 18-19 hours				
	STAT 235 Elementary Statistics OR MATH 210 Calculus I OR MATH 216 Calculus for Biological Sciences		3-4	
	BIOLOGY 498WI Critical Analysis of Biological issues		3	
	MO Constitution Requirement Click for options		3	Apply for graduation . BA graduation date will be Spring of Year 5.
	Focus A Arts & Humanities Click for options		3	
	**Anchor III Civic & Community Engagement Click for options		3	
	**DISC 300 Civic & Community Engagement Click for options		3	
Complete 18-19 credit hours toward degree Earn minimum 2.8 term GPA				
Year 4 Medical Courses: 41 hours (spread over entire 4th year)				
	MEDICINE 9401 Year 4 Internal medicine Docent rotation		10	Students will work with their advisor to determine which semester(s) of the 4 th year will be taken at the Volker Campus to complete undergraduate requirements and when MEDICINE coursework will be completed at the Hospital Hill campus.
	MEDICINE 9408 Pharmacology		10	
	MEDICINE 9471 Family Medicine		5	
	MEDICINE 9472 Behavioral Science		5	
	MEDICINE 9482 Patient Physician Society I (Fall)		2	
	MEDICINE 9484 Patient Physician Society II (Spring)		2	
	MEDICINE 9483 Continuing Care Clinic II		5	
	MEDICINE 9485 Ambulatory Care Pharmacology (online)		2	
Earn minimum 2.8 cumulative GPA				
Year 5 Medical Courses: 57 hours (spread over entire 5th year)				
	MEDICINE 9501 Year 5 Internal Medicine Docent Rotation		10	Must pass USMLE Step I exam to take Year 5 coursework Must have 2.8 cumulative GPA to promote to Year 5 Take the ETS Proficiency Profile (EPP) exit exam by end of 5 th year.
	MEDICINE 9503 Pediatric Rotation		10	
	MEDICINE 9505 Surgery Rotation		10	
	MEDICINE 9506 Obstetrics & Gynecology Rotation		10	
	MEDICINE 9570 Family Medicine Preceptorship		5	
	MEDICINE 9571 Psychiatry Rotation		5	
	MEDICINE 9583 Continuing Care Clinic III		5	
	MEDICINE 9585 Prescribing Special Populations (online)		2	
Earn minimum 2.8 cumulative GPA				
Year 6 Medical Courses: 42 hours (spread over entire 6th year)				
	MEDICINE 95XX Medical Humanities Elective		5	Medical Humanities Elective can

	MEDICINE 9601 Year 6 Internal Medicine Docent Rotation		10	be taken in Year 5 or 6 Students must Pass USMLE Step II CK by December 31 and USMLE Step II CS exam by November 30 of their last year. Must have 2.8 cumulative GPA to promote to Year 6 Clinical Electives must be from three of nine different categories. One must be categorized as "critical care". Most students have time for additional clinical and/or research electives.
	MEDICINE 9683 Continuing care Clinic IV		5	
	MEDICINE 9685 Safe & Rational Prescribing (online)		2	
	MEDICINE 9678 Emergency Medicine		5	
	MEDICINE 98XX-99XX Clinical Elective		5	
	MEDICINE 98XX-99XX Clinical Elective		5	
	MEDICINE 98XX-99XX Clinical Elective		5	
	MEDICINE 98XX-99XX Clinical Elective		5	
Earn minimum 2.8 cumulative GPA				

Graduation Requirements Summary (undergraduate only)

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	2.8 0 minimum	2.8 0 minimum

Other Information

Non-course Requirements

RooWriter Assessment	_____
ETS Proficiency Profile	_____
USMLE Step I	_____
USMLE Step II CK	_____
USMLE Step II CS	_____

All students completing an undergraduate degree must meet the following conditions in order to graduate and be recommended for graduation or certification: 28 hours of course work in Biology are required in addition to M.D. Requirements

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

School of Biological Sciences Academic Support
SBS-undergrad@umkc.edu
http://sbs.umkc.edu/undergraduate_support.cfm
 816-235-2580

School of Medicine Years 1 and 2 Student Affairs Office
 Atterbury Student Success Center Room 116
<http://www.med.umkc.edu>
 816-235-1344

Career Opportunities

UMKC Career Services – career.umkc.edu | 816-235-1636 | 2nd Floor, Atterbury Student Success Center
 O*Net OnLine – OnetOnline.org Enter CIP number of your major to learn about related careers. Major CIP: 511201