

Pre-Medical Track (Biology Major) - Early Entry

The Doctor of Osteopathy (DO) degree normally requires an undergraduate degree and four additional years of study at a school accredited by the American Osteopathic Association (AOA). This track allows students to start medical school one year early.

Suggested Course Sequencing: Recommend 15 – 18 semester hours;
however, attending summer school will reduce semester hours.

Freshman year

Semester 1	Cr
BIOL 200 General Biology	4
CHEM 111 General Chemistry I [a]	5
MATH 231 Calculus I or MATH 129 [b]	4(3)
BIBL 111 Essential Christianity	3
GSCI 100 University Seminar	1
EXER 101 Lifetime Health Awareness	1
	18

Semester 2	Cr
BIOL 201 Zoology	4
CHEM 112 General Chemistry II	5
BIBL 115 Old Testament Literature	3
CPSC 101 Introduction to Personal Computing	3
ENGL 111 Composition	3
	18

Sophomore year

Semester 1	Cr
CHEM 271 Organic Chemistry I	4
PHYS 211 General Physics I or PHYS 231	5
BIBL 116 New Testament Literature	3
Historical Inquiry Option	3
Reading and Imagination Option	3
	18

Semester 2	Cr
BIOL 335 Microbiology	4
CHEM 272 Organic Chemistry II	4
PHYS 212 General Physics II or PHYS 232	5
ENGL 341 Technical Writing	3
	16

Junior year

Semester 1	Cr
BIOL 311 Human Anatomy & Physiology I	4
BIOL 338 Genetics	4
CHEM 375 Biochemistry	4
PSYC 112 Introduction to Psychology	3
	15

Semester 2	Cr
BIOL 312 Human Anatomy & Physiology II	4
ICST 350 Global Connections	3
MATH 210 Statistics	3
SOCI 111 Introduction to Sociology	3
THEO 320 Pentecost	3
	16

Senior year

Semester 1	Cr
Student takes 1st semester medical courses at KCU	
	0

Semester 2	Cr
Student takes 2nd semester medical courses at KCU	
	0

Total minimum to graduate 124

[a] Those not prepared for CHEM 111 should take CHEM 101 - Introduction to Chemistry.

[b] Those not prepared for MATH 231 should take MATH 129 -Precalculus Algebra.

Graduation requires an overall GPA of at least 2.0.

The listing above only represents a suggested course sequencing as required to graduate with this major. Students are ultimately responsible for their own degree program. An academic advisor is assigned to the student for guidance in these matters, but the responsibility for meeting the requirements belongs to the student.

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University Writing Proficiency and Placement Information

Writing Proficiency earned by . . . circle one: ENGL 111 ACT/SAT/CLT (Score: _____) AP CLEP IB			
ACT English \geq 26 or SAT Writing/Language (W/L) \geq 33, CLT Writing/Grammar (W/G) \geq 32: Student is proficient. Enroll in Effective Communication option. Refer to each term's "Core Options" document for available choices.			
If transfer student has ENGL 111 composition only, enroll in a 200-level Effective Communication course.			
If transfer student has a 200-level (or above) composition course, check for Speech course. If no Speech listed, enroll in COMM 211.			
If transfer student has a 200-level composition course AND a Speech course, he or she is proficient.			
If student has no test scores, enroll in ENGL 102.			
ACT English = 24-25, SAT W/L 31-32, CLT W/G 30-31: take Writing Step-Up Exam in first semester.			
ACT English 20-23, SAT W/L 28-30, CLT W/G 24-29: ENGL 111	3	Wellness Proficiency	Cr <input checked="" type="checkbox"/>
ACT English 16-19, SAT W/L 23-27, CLT W/G 19-23: ENGL 102	2	EXER 101 Lifetime Health Awareness	1 <input type="checkbox"/>
ACT English \leq 15, SAT W/L \leq 22, CLT W/G \leq 18: ENGL 100	1		1 <input type="checkbox"/>

Core Curriculum Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
GSCI 100 University Seminar	1	<input checked="" type="checkbox"/>	Effective Communication Option (WPR)**	3	<input type="checkbox"/>
BIBL 111 Essential Christianity	3	<input type="checkbox"/>	MATH 210 Statistics	3	<input type="checkbox"/>
BIBL 115 Old Testament Literature	3	<input type="checkbox"/>	Historical Inquiry Option*	3	<input type="checkbox"/>
BIBL 116 New Testament Literature	3	<input type="checkbox"/>	Artistic Expression Option*	3	NA
BIBL 360 - 370 Book Study (WPR)*	3	NA	Behavioral and Social Sciences Option* (SOCI 111)	3	<input type="checkbox"/>
THEO 320 Pentecost	3	<input type="checkbox"/>	Humanities Option*	3	NA
ICST 350 Global Connections*	3	<input type="checkbox"/>	Healthy Relationships: PSYC 112	3	<input type="checkbox"/>
Natural Science without Lab Option*	3	NA	Christian Stewardship: FIN 138 Personal Finance	3	NA
Natural Science with Lab Option*	4	NA	Reading and Imagination: ENGL 123*	3	<input type="checkbox"/>
*Refer to each term's "Core Options" document for available choices. WPR = Writing Proficiency Required: ENGL 111 or ACT English \geq 26			**ENGL/COMM 205 or 341; ENGL 211, 212, or 236 If student has ENGL 201 in transfer, enroll in COMM 211.		

Program Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
BIOL 200 General Biology	4	<input type="checkbox"/>	PHYS 211 General Physics I or PHYS 231	5	<input type="checkbox"/>
BIOL 201 Zoology	4	<input type="checkbox"/>	PHYS 212 General Physics II or PHYS 232	5	<input type="checkbox"/>
BIOL 202 Botany	4	NA	COURSES TAKEN IN MEDICAL SCHOOL		
BIOL 335 Microbiology	4	<input type="checkbox"/>	IDIS 115 Introduction to Research Methods	1	<input type="checkbox"/>
BIOL 338 Genetics	4	<input type="checkbox"/>	MED 101 Scientific Foundations of Medicine	3.5	<input type="checkbox"/>
BIOL 341 Marine Biology, BIOL 342 Ecology, or BIOL 343 Env. Biology (choose one)	4	NA	MED 112 Musculoskeletal I	5	<input type="checkbox"/>
			MED 119 Mechanisms of Disease	5	<input type="checkbox"/>
BIOL 437 Cell Biology	3	NA	MED 121/122 Medical Informatics/Literacy	1	<input type="checkbox"/>
BIOL 496 Senior Seminar	1	NA	MED 123 Bioethics I	1	<input type="checkbox"/>
BIOL 311 Human Anatomy & Physiology I	4	<input type="checkbox"/>	MED 125 Osteopathic Skills I	2.5	<input type="checkbox"/>
BIOL 312 Human Anatomy & Physiology II	4	<input type="checkbox"/>	MED 126 Osteopathic Skills II	2	<input type="checkbox"/>
CHEM 111 General Chemistry I	5	<input type="checkbox"/>	MED 130 Principles of Clinical Medicine I	2	<input type="checkbox"/>
CHEM 112 General Chemistry II	5	<input type="checkbox"/>	MED 131 Principles of Clinical Medicine II	2.5	<input type="checkbox"/>
CHEM 271 Organic Chemistry I	4	<input type="checkbox"/>	MED 133 Neuroendocrine	5.5	<input type="checkbox"/>
CHEM 272 Organic Chemistry II	4	<input type="checkbox"/>	MED 137 Cardiopulmonary & Renal I	6	<input type="checkbox"/>
CHEM 375 Biochemistry	4	<input type="checkbox"/>	MED 140 Gastrointestinal & Genitourinary	5	<input type="checkbox"/>
MATH 231 Calculus I or MATH 129	3-4	<input type="checkbox"/>	MED 174 Art, Observation & Medicine	0.5	<input type="checkbox"/>
CPSC 101 Personal Computing	3	<input type="checkbox"/>			
Minimum total credits to graduate				124	

Selection of students into this program will be based on the following: 1) ACT score (minimum of 28), 2) freshman year academic performance (must maintain overall GPA of 3.25 and science GPA of 3.5), 3) community service, 4) undergraduate and high school activities, 5) knowledge and dedication to the field of osteopathic medicine. Students must apply to Kansas City University through the Partner application in December/January of their sophomore year. MCAT scores are not required.

*Refer to each term's advising handbook for options

WPR = Writing Proficiency Required
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