



Metropolitan Community Colleges

Transfer Program to the University of Kansas

College of Liberal Arts and Sciences

Molecular Biosciences (BS)

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Offered at the KU Edwards Campus in Overland Park, KS

- Sixty-four transferable credit hours may be transferred to KU from community colleges. Only grades of C or better are accepted in transfer toward a degree in the College of Liberal Arts and Sciences.
- Students are admitted for fall, spring or summer semesters. Out-of-state applicants must have at least 24 credit hours with a 2.5 or higher GPA. In-state applicants must have at least 24 credit hours with a 2.0 or higher GPA. The transfer student application for admission to KU is used for undergraduate programs at the KU Edwards Campus.
<http://admissions.ku.edu/apply/ustransfers>
- The degree requires a minimum of 120 credit hours, including 45 junior/senior hours
- **MetroKC tuition Rate.** The Edwards Campus offers in-state tuition rates to Missouri residents who qualify. Go to <http://edwardscampus.ku.edu/MetroKC> for more information.

General Science Requirements (33-36 hours)			
KU Courses:		MCC Courses:	
CHEM 130 Foundations of Chemistry I	5	CHEM 111 General College Chemistry I	5
CHEM 135 Foundations of Chemistry II	5	CHEM 112 General College Chemistry II	5
CHEM 330/331 Organic Chemistry I/Lab	3/2	CHEM 221 Organic Chemistry I **	5
CHEM 335 Organic Chemistry II	3	CHEM 222 Organic Chemistry II **	5
PHSX 114 College Physics I <u>AND</u>	4	PHYS 130 General Physics I <u>AND</u>	5
PHSX 115 College Physics II <u>OR</u>	4	PHYS 131 General Physics II <u>OR</u>	5
PHSX 211/216 General Physics I <u>AND</u>	4	PHYS 220 Engineering Physics I <u>AND</u>	5
PHSX 212/236 General Physics II	4	PHYS 221 Engineering Physics II	5
MATH 115 Calculus I <u>AND</u>	3	MATH 175 Bus. Calculus	3
MATH 116 Calculus II <u>OR</u>	3	No Equivalent Course	
MATH 125 Calculus I	4	MATH 180 Analytical Geometry Calculus I	5
BIOL 570 Intro to Biostatistics <u>OR</u>	3	No Equivalent Course	
MATH 365 Elementary Statistics * <u>OR</u>	3	No Equivalent Course	
PSYC 210 Statistics in Psychological Research	3	No Equivalent Course	
Molecular Biosciences Requirements (29 hours)			
BIOL 150 Prin. of Molecular and Cellular Biology	4	BIOL 123 (4) & BIOL 124 (4) <u>combined</u> will meet requirement of BIOL 150 & 152 at KU, but not when taken separately.	4

BIOL 152 Prin. of Organismal Biology	4		See above note	4
BIOL 400/402 Fund. of Microbiology/Lab	3/2		The remaining upper level BIOL courses will be taken at the KU Edwards Campus.	
BIOL 350/405 Principles of Genetics/Lab	4/2			
BIOL 416 Cell Structure and Function	3			
BIOL 430 Lab in Molecular Biology	3			
BIOL 599 Senior Seminar in Molecular Biosciences	1			
BIOL 600 Introductory Biochemistry	3			
BIOL 601 Principles of Biochemistry Lab	2			
General Biology Electives, Seminar and Laboratory Requirements (12 hours)				
BIOL courses numbered 400 or higher, including at least 2 hours of a seminar/topics course (BIOL 419, 420, 421, 701). These courses will be taken at the KU Edwards Campus.				

KU Core Requirements – General Education http://kucore.ku.edu/				
KU Core Areas:			MCC courses:	
Goal 1, Outcome 1 – Critical Thinking: (1 unit required)			BSAD 270; ENGL 214 HIST 133, 134 HUMN 133, 134 PHIL 100, 200, 203, 205 PHYS 101, 104, 130, 220 SOC 101, 160, 163	
Goal 1, Outcome 2 – Quantitative Literacy: (1 unit required)			<i>Will be fulfilled with General Science requirements for Molecular Biosciences.</i>	
			MCC courses:	
Goal 2, Outcome 1 – Written Communication: (2 units required)			ENGL 101, 102, 214 HIST 133 HUMN 133 (ENGL 101 & 102 highly recommended)	
Goal 2, Outcome 2 – Oral Communication: (1 unit required)			COMM 100	
			MCC courses:	
Goal 3 - Humanities: (1 unit required)			ANTH 120 ART 108, 110, 150, 151 ENGL 214, 216, 218, 220 ENGL 221, 222, 223, 234, 240, 242, 250, 254 ENGL 255, 256, 260, 264, 265, 267, 268 HIST 120, 121, 130, 145 HUMN 103 PHIL 100, 200, 201, 203, 205 THEA 106, 120	
Goal 3 – Natural Sciences: (1 unit required, must include a lab)			<i>Will be fulfilled with General Science requirements for Molecular Biosciences.</i>	
Goal 3 – Social Sciences: (1 unit required) - Prehealth students should consider PSYC 140 and/or SOC 101.			ANTH 100, 110 ART 141, 170 BSAD 270; ECED 113; COMM 223 ECON 110, 210, 211 GEOG 113 HUMN 165 HUMS 100, 220 POLS 135, 136, 234 PSYC 140, 142, 144, 240, 243 SOCI 101; 160, 162, 170	
			MCC courses:	
Goal 4; Outcome 1 – Diversity of Human Exp.: (1 unit required)*			HIST 140; HUMN 165; MUSI 116 SOC 101, 160, 162, 163, 220	

- <i>Can be taken at KU Edwards to fulfill junior/senior hour requirements.</i>			
Goal 4, Outcome 2 – Global Perspectives: (1 unit required)* - <i>Can be taken at KU Edwards to fulfill junior/senior hour requirements.</i>		ANTH 100, 110 ART 108, 150 ENGL 260, 265, 267 GEOG 105, 113 GERM 101, 102, 203, 204 HIST 133, 134, 150 HUMN 133, 134; MUSI 160 PHIL 102; POLS 234 SOCI 110, 170, 210 SPAN 203, 204, 212, 214, 216	
		MCC courses:	
Goal 5 – Social Responsibility & Ethics: (1 unit required)* - <i>Can be taken at KU Edwards to fulfill junior/senior hour requirements.</i>		PHIL 203, 205 PHYS 220 SOCI 165	
		MCC courses:	
Goal 6 – Integration & Creativity: (A capstone experience, 1 unit required)*		<i>This will be fulfilled with BIOL 599, a major requirement.</i>	

*Can be taken at the KU Edwards Campus

** Will not receive junior/senior level credit .

NOTE: The requirements listed above are subject to annual change. For additional transfer equivalency information, go to the [Transfer Credit](http://credittransfer.ku.edu/) site on the KU Admissions website at <http://credittransfer.ku.edu/>

Transfer Credit

- A maximum 64 community college credit hours count within the minimum cumulative credit hour requirement (120).
- Only transfer grades of 'C' or higher count towards KU degree requirements in the College of Liberal Arts and Sciences.

Admission

- Students are admitted for fall, spring or summer semesters.
- Out-of-state applicants must have at least 24 credit hours with a 2.5 or higher GPA. In-state applicants must have at least 24 credit hours with a 2.0 or higher GPA. The transfer student application for admission to KU is used for undergraduate programs at the KU Edwards Campus. www.admissions.ku.edu/apply
- After admission to KU, students will complete BIOL 350, Genetics.
- Full admittance to the Molecular Biosciences program requires a GPA of 2.2 in the following four courses: BIOL 150, BIOL 152, CHEM 135, and BIOL 350. Students may take supporting courses prior to full program admission.

Graduation

- **120** minimum cumulative credit hours required, including:
 - **45 hours** must be junior/senior-level (300 + at KU).
 - Minimum of **30** hours of junior/senior (300+) coursework at KU. This is a College of Liberal Arts & Sciences residency requirement.