

Metropolitan Community Colleges

Transfer Program to the University of Kansas

College of Liberal Arts and Sciences

Biotechnology (BAS)

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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 (43-45 hours)				
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
PHSX 114 College Physics I	4		PHYS 130 General Physics I	5
BIOL 150 Prin. Of Molecular & Cellular Biology	4		+ BIOL 123 (4) & BIOL 124 (4) <i>combined</i> will meet the requirements of BIOL 150 & 152 at KU, but not when taken separately.	4
BIOL 152 Prin. Of Organismal Biology	4		<i>See above note</i>	4
BIOL 350 Principles of Genetics	4		All upper-level courses (300+) will be taken at KU Edwards	
BIOL elective from following courses: BIOL 416, 516, 435, 480, 506, 512, 560, 646, 667, 672	3		All upper-level courses (300+) will be taken at KU Edwards	
BIOL 600 Intro Biochemistry	3		All upper-level courses (300+) will be taken at KU Edwards	
B.A.S. Core (9 hours)				
BTEC 310 Science Communications <u>OR</u>	3		All upper-level courses (300+) will be taken at KU Edwards	
COMS 310 Organizational Communication <u>OR</u>				
COMS 330 Effective Business Communication				

MATH 365 Elementary Statistics OR	3		
BIOL 570 Intro to Biostatistics			
MGMT 305 Intro to Management OR	3		
PUAD 607 Project Management	3		
Biotechnology Major Requirements (30 hours)			
BTEC 300 Intro to Biotechnology	3		All upper-level courses (300+) will be taken at KU Edwards
BTEC 405 Molecular & Microbial Technique	4		
BTEC 475 Applied Separation Science & QA	6		
BTEC 494 Topics in Biotechnology (Jr)	1		
BTEC 494 Topics in Biotechnology (Sr)	1		
BTEC 500 Applied Immunology	3		
BTEC 501 Ethics	1		
BTEC 540 Biotechnology Capstone I	3		
BTEC 550 Bioinformatics	2		
BTEC 599 Biotechnology Internship (<i>can be repeated up to 6 hours</i>)	3		
BTEC 630 Biotech Reg, QC, & QA	3		
BTEC 640 Biotechnology Capstone II	3		
BTEC/BIOL Jr/Sr Elective (<i>BTEC 599 repeat recommended but not required</i>)	3		

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 Biotechnology.</i>	
		MCC courses:	
Goal 2, Outcome 1 – Written Communication: (2 units required)		ENGL 101, 102, 214 HIST 133 HUMN 133 (ENGL 101 and 102 highly recommended)	
Goal 2, Outcome 2 – Oral Communication: (1 unit required)		COMM 100 (COMM 100 recommended)	
		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, 101, 200, 201, 203, 205 THEA 106, 120	
Goal 3 – Natural Science: (1 unit required, must include a lab)		<i>Will be fulfilled with General Science requirements for Biotechnology.</i>	
Goal 3 – Social Sciences: (1 unit required)		ANTH 100, 110 ART 141, 170 BSAD 270; ECED113; COMM 223	

		ECON 110, 210, 211 GEOG 113 HUMN 165 SOWK 100, 220; MSCM 112 POLS 135, 136, 234 PSYC 140 , 142, 144, 240, 243 SOCI 101 ; 160, 162, 170, 220 <i>(PSYC 140 or SOC 101 recommended)</i>	
		MCC courses:	
Goal 4; Outcome 1 – Diversity of Human Experience: (1 unit required)* - <i>Can be taken at KU Edwards to fulfill junior/senior hour requirements.</i>		HIST 140; HUMN 165; MUSI 116 SOCI 101, 160, 162, 163, 220	
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, 170 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 163	
		MCC courses:	
Goal 6 – Integration & Creativity: (A capstone experience, 1 unit required)*		<i>This will be fulfilled with BTEC 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

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.