



TRANSFER PATHWAY GUIDE

Associate in Science to Bachelors of Science in Chemistry

Overview

Completion of the following curriculum will satisfy the requirements for Associates of Science at the Kentucky Community and Technical College System and leads to a Bachelor's Degree at Brescia University.

Admission Requirements

Official transcripts from all schools attended. Combined grade point of average of a 2.0 or higher.

Degree Requirements

Students can apply to Brescia University at: <https://admissions.brescia.edu/apply/> For any questions or additional information on tuition, deadlines, or start dates, please email BUconnections@brescia.edu

General Transfer Requirements

Brescia University can accept up to 67 hours of transfer credit from KCTCS from their associate of arts or science for courses where a student made a grade of C or above.

KCTCS AS TO BU's Bachelor Degree CHECKLIST

Kentucky Community and Technical College System

Category 1: KCTCS General Education Core Requirements (33 hours)

KCTCS Course	Course or Category	Credits	Brescia Course	Completed
ENG 101	Written Communication	3	ENG 101	
ENG 102	Written Communication	3	ENG 102	
Any GER	Oral Communication	3		
Any History GER	Heritage	3		
ENG 161	Humanities	3	ENG 204	
REL 130	Social & Behavioral Sciences	3	TH 219	
PSY 110	Social & Behavioral Sciences	3	PSY 105	
CHE 170, 175	Natural Science	4,1	CHM 101, 101L	
Any GER	Natural Science	3		
MAT 150	Quantitative Reasoning	3	MTH 111	
Highest Math	Quantitative Reasoning	3		
	Subtotal General Education Core Courses			

Category 2: KCTCS AS Requirements (6 hours)

KCTCS Course	Course or Category	Credits	Brescia Course	Completed
CHE 180, 185	Natural Science/ Quantitative Reasoning	4,1	CHM 102, 102L	
Highest Math, MAT 174, 175	Natural Science/ Quantitative Reasoning	3	MTH 211	
	Subtotal AA/AS Requirement Courses			

Category 3: KCTCS Electives (21 hours)

KCTCS Course	Course or Category	Credits	Brescia Course	Completed
	Digital Literacy	0-3		
	First-Year Experience	0-3	BU 101	
One of:	ART 100, MUS 100, MUS 208, MUS 222, or THA 101	3		
PHY 231, 241	General University Physics I, Lab	5	PHS 201, 201L	
PHY 232, 242	General University Physics II, Lab	5	PHS 202, 202L	
	Subtotal Elective Courses	21		
	TOTAL associate degree Hours	60		

BRESCIA UNIVERSITY

Major Requirements for CHEMISTRY

Brescia University Course	Course	Credits	KCTCS Course	Taken at KCTCS
Chm 205, 205L	Quantitative Analysis and Lab	3, 1		
Chm 301, 301L	Organic Chemistry I and Lab	3, 1	CHE 270, 275	
Chm 302, 302L	Organic Chemistry II and Lab	3, 1	CHE 280, 285	
Chm 350,350L	Physical Chm I & Lab	4		
Chm 409, 409L OR Chm 410, 410L	Biochemistry I and Lab OR Biochemistry II and Lab	3, 1		
Chm 499	Seminar	1		
	Upper-Division Chemistry Elective	3		
	Related Subject Requirements:			
Mth 211	Calculus I	4	MAT 174, 175	
Mth 212	Calculus II	4	MAT 184, 185	
Mth 213	Calculus III	4	MAT 213, MAT 275	
	Upper division GER course at BU	3		
	Upper division GER course at BU	3		
	Upper division course	3		
	Upper division course	3		
	Upper division course	3		
	Upper division course	3		
	Upper division course	3		
	Subtotal BRESCIA Credit Hours	60		
	Total Baccalaureate Degree Credit Hours	120		

Updated: {7-8-25}