



TRANSFER PATHWAY GUIDE

Associate in Science to Bachelors of Science in Financial Mathematics

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 transcript 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://www.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 OCTC 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	
COM 181	Oral Communication	3	SPH 110	
HIS 104	Heritage	3	HIS 101	
ENG 161	Humanities	3	ENG 204	
REL 130	Social & Behavioral Sciences (CS)	3	TH 219	
ECO 201	Social & Behavioral Sciences	3	ECO 202	
ANY GER	Natural Science	3		
ANY GER	Natural Science	3		
Highest Math Possible	Quantitative Reasoning	3		
Highest Math Possible	Quantitative Reasoning	3		
	Subtotal General Education Core Courses			

One of these courses must be selected from the KCTCS identified Cultural Studies course list, indicate by placing (CS) next to the course name in Category 1 or 2 table.

Category 2: KCTCS AS Requirements (6 hours)

KCTCS Course	Course or Category	Credits	Brescia Course	Completed
MAT 174, 175	Natural Science/ Quantitative Reasoning	3	MTH 211	
Highest Math	Natural Science/ Quantitative Reasoning	3		
	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:	FRE 101, GER 101, JPN 101, RAE 150, or SPA 101	3		
One of:	ART 100 , MUS 100, MUS 208, THA 101	3		
ECO 202	Principles of Macroeconomics	3	ECO 201	
CIT 142 or 147	C++ or Programming I: Language	3	CS 110	
CIT 149	Java I	3	CS 111	
	Subtotal Elective Courses	21		
	TOTAL Associate Degree Hours	60		

BRESCIA UNIVERSITY

Major Requirements for Financial Mathematics

Brescia University Course	Course	Credits	KCTCS Course	Taken at KCTCS
Acc 201	Prin Accounting I	3	ACC 201	
Acc 202	Prin Accounting II	3	ACC 202	
BAd 318 or Mth 313	Business Statistics or Probability and Statistics	3		
CS 210	Data Structures and Algorithms	3		
Eco 418	Math Methods in Eco	3		
Fin 308	Financial Principles	3	BAS 293	
Fin 314	Managerial Finance	3	BAS 212	
Fin 401	Investments and Derivatives	3		
Fin 415	Advanced Topics in Finance	3		
Mth 211	Calculus I	4	MAT 174, 175	
Mth 212	Calculus II	4	MAT 184, 185	
Mth 213	Calculus III	4	MAT 213/ 275	
Mth 305	Differential Equations	3	MAT 285	
Mth 308	Linear Algebra	3		
Mth 340 or CS 330	Numerical Analysis or Theory of Computation	3		
Mth 415 or CS 351	Operations Research or Computer Modeling and Simulation	3		
	Upper division course at BU	3		
	Upper division course at BU	3		
	Upper division Philosophy GER course at BU	3		
	Upper division GER course at BU	3		
	Subtotal {Institution} Credit Hours	60		
	Total Baccalaureate Degree Credit Hours	120		

Updated: {6-24-22}