



## TRANSFER PATHWAY GUIDE

Associate in Arts to Bachelors of Science in Financial Mathematics

### ***Overview***

Completion of the following curriculum will satisfy the requirements for Associates of Arts 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](mailto: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 AA 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	
ECO 201	Social & Behavioral Sciences	3	ECO 202	
ECO 202	Social & Behavioral Sciences	3	ECO 201	
Any GER	Natural Science	3		
MAT 150 or higher GER Math	Quantitative Reasoning	3	MTH 111	
Highest Math Possible	Natural Science/ Quantitative Reasoning	3		
	<b>Subtotal General Education Core Courses</b>			

#### Category 2: KCTCS AA Requirements (6 hours)

KCTCS Course	Course or Category	Credits	Brescia Course	Completed
One of:	PHI 100, PHI 120, PHI 130, PHI 150	3		
One of:	ART 100, MUS 100, MUS 208, MUS 222, or THA 101	3		
	<b>Subtotal AA/AS Requirement Courses</b>			

#### 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	
ACC 201	Financial Accounting	3	ACC 201	
ACC 202	Managerial Accounting	3	ACC 202	
CIT 142 or 147	Programming I Language	3	CS 110	
CIT 149	Programming II (JAVA I)	3	CS 111	
	Math Course	3		
	<b>Subtotal Elective Courses</b>	<b>21</b>		
	<b>TOTAL associate degree Hours</b>	<b>60</b>		

## BRESCIA UNIVERSITY

### Major Requirements for Financial Mathematics

Brescia University Course	Course	Credits	KCTCS Course	Taken at KCTCS
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 GER course at BU	3		
	Upper division GER course at BU	3		
	Upper division course at BU	3		
	<b>Subtotal BRESCIA Credit Hours</b>	<b>60</b>		
	<b>Total Baccalaureate Degree Credit Hours</b>	<b>120</b>		

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