



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 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 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 | |
| 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 | |
| ECO 202 | Social & Behavioral Sciences | 3 | ECO 201 | |
| BIO 112, BIO 113 | Natural Science | 3 | BIO 100 | |
| MAT 150 or higher GER Math | Quantitative Reasoning | 3 | MTH 111 | |
| Highest Math Possible | Natural Science/ 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 AA Requirements (6 hours)

| KCTCS Course | Course or Category | Credits | Brescia Course | Completed |
|--------------|--|---------|----------------|-----------|
| 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 | | |
| | 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: | PHI 100, PHI 120, PHI 130, PHI 150 | 3 | | |
| 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 | |
| | 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 |
|----------------------------------|---|----------------|---------------------|-----------------------|
| 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 | | |
| | Subtotal BRESCIA Credit Hours | 60 | | |
| | Total Baccalaureate Degree Credit Hours | 120 | | |

Updated: {6-14-22}