



## TRANSFER PATHWAY GUIDE

2019-2020

Associate in Arts to Bachelors of Science in Computer Science

### ***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](mailto: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	{Institution} Course	Completed
ENG 101	Written Communication	3		
ENG 102	Written Communication	3		
COM 181	Oral Communication	3		
HIS 104	Heritage	3		
ENG 161	Humanities	3		
REL 130	Social & Behavioral Sciences (CS)	3		
PSY 110	Social & Behavioral Sciences	3		
SOC 101	Social & Behavioral Sciences	3		
CHE 140, 145	Natural Science	3		
MAT 150 or Highest Math	Quantitative Reasoning	3		
Highest Math Possible	Natural Science/ Quantitative Reasoning	3		
	<b>Subtotal General Education Core Courses</b>			

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	{Institution} 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		
	<b>Subtotal AA/AS Requirement Courses</b>			

#### Category 3: KCTCS Electives (21 hours)

KCTCS Course	Course or Category	Credits	{Institution} Course	Completed
	Digital Literacy	0-3		
	First-Year Experience	0-3		
One of:	PHI 100, PHI 120, PHI 130, PHI 150	3		
PHY 171	Applied Physics	3		
CIT 161	Introduction to Networks	3		
CIT 142 or 147	Programming I	3		
CIT 149	Programming II (JAVA I)	3		
	<b>Subtotal Elective Courses</b>	<b>21</b>		
	<b>TOTAL Associate Degree Hours</b>	<b>60</b>		

## BRESCIA UNIVERSITY

### Major Requirements for Computer Science

Brescia University Course	Course	Credits	{Institution } Course	Taken at KCTCS
Mth 103	Discrete Mathematics	3		
CS 210	Data Structures	3		
CS 220	Computers & Ethics	3		
CS 312	System Analysis	3		
CS 320	Operating Systems	3		
CS 330	Theory of Computation	3		
CS 335	Artificial Intelligence	3		
CS 340	Programming Language	3		
CS 370	Networking	3		
CS 385	Computer Organization	3		
CS 420	Web & Mobile Apps	3		
CS 497	Senior Seminar I	1		
CS 498	Senior Seminar II	1		
CS 499	Senior Project	1		
	<b>Related Subject Requirements:</b>			
Mth 211	Calculus I	4		
Mth 212	Calculus II	4		
Mth 213	Calculus III	4		
Mth 308	Linear Algebra	3		
	Upper Division GER course	3		
	Upper Division GER course	3		
	Upper Division course	3		
	Upper Division course	3		
	<b>Subtotal BRESCIA Credit Hours</b>	<b>68</b>		
	<b>Total Baccalaureate Degree Credit Hours</b>	<b>128</b>		

Updated: {11-11-19}