

BLUE RIDGE COMMUNITY & TECHNICAL COLLEGE
A.A. LIBERAL ARTS MATHEMATICS CONCENTRATION
TO AMERICAN PUBLIC UNIVERSITY SYSTEM
B.S. MATHEMATICS
APRIL 2019 CATALOG TRANSFER GUIDE

APUS DEGREE REQUIREMENTS	BRCTC COURSES	APUS EQUIVALENCY	CREDITS APPLIED	CREDITS NEEDED AT APUS
General Education Requirements			30	0
Communication: Writing, Oral, and Multimedia (COMM)		Credits:		9
COMM120: Information and Digital Literacy		fulfilled by Gen Ed Block+	3	
ENGL110: Making Writing Relevant	ENGL 101: Written English I	ENGL110	3	
ENGL102: Effectiveness in Writing (Required)	ENGL 102: Writing for the Arts & Humanities	ENGL102	3	
Arts and Humanities (ARHU)		Credits:		6
APUS General Education ARHU Course Choice	BRCTC Humanities Option*		3	
APUS General Education ARHU Course Choice	ENGL 208 Survey of World Literature I	LITR201	3	
Civics, Political & Social Sciences (SSPS)		Credits:		6
APUS General Education SSPS Course Choice	BRCTC Economics Option*		3	
APUS General Education SSPS Course Choice	BRCTC Political Science Option*		3	
History (HIST)		Credits:		3
APUS General Education HIST Course Choice	BRCTC World History Option*		3	
Mathematics and Applied Reasoning (MAAR)		Credits:		3
MATH110: College Algebra (Required)	MATH 105 Algebra	MATH110	3	
Natural Sciences with Lab (NASC)		Credits:		3
APUS General Education NASC Course Choice	BIOL 101 General Biological Science I	BIOL180	3	
Credit used to fulfill General Education requirements†				
<i>Credit used to fulfill General Education requirements†</i>	<i>BRCTC Free Electives*</i>		2	
	<i>BIOL 101 General Biological Science I - split</i>		1	

APUS DEGREE REQUIREMENTS	BRCTC COURSES	APUS EQUIVALENCY	CREDITS APPLIED	CREDITS NEEDED AT APUS
Major Requirements		Credits:		9
MATH111: College Trigonometry	MATH 106 Trigonometry	MATH111	3	
MATH200: Analytic Geometry				3
MATH210: Discrete Mathematics				3
MATH225: Calculus I	MATH 207 Calculus I	MATH225	3	

MATH220: Linear Algebra				3
MATH226: Calculus II				3
MATH227: Calculus III				3
MATH240: Differential Equations				3
ENGL220: Technical Writing	ENGL110 Technical Writing & Communication	ENGL220	3	
MATH239: Data Analysis and Presentation				3
MATH302: Statistics				3
MATH328: Probability Theory with Applications				3
BUSN312: Operations Research				3
MATH320: Mathematical Modeling				3
Concentration Requirements (21 credits required)		Credits:		0
Choose a concentration: Applied Mathematics, Operations Research or Statistics				21
Final Program Requirement		Credits:		0
MATH499: Senior Seminar in Mathematics (to be taken as the last course before graduation)***		MUST BE TAKEN AT APUS		3
Electives		Credits:		21
Choose any electives to meet degree requirements. Note minimum requirements for upper-level coursework.	BIOL 102 General Biological Science II	BIOL134	4	
	BRCTC US History Option*		3	
	MATH 108 Pre-calculus		4	
	MATH 114 Elem Probability & Statistics	MATH120	3	
	BRCTC Social Science Option*		3	
	COMM 202 Fundamentals of Speech	COMM200	3	
	MATH 207 Calculus I-split		1	
Total Minimum Credits Needed for Graduation: 120		Total Credits:		60
				60

Notes:

*Credit variances in academic placement and credit award can occur based on student course selections and on the APUS' 2019 catalog program requirements.

†Per APUS' General Education Block policy, the student's APUS General Education requirements (excluding Required) will be fulfilled on the merit of a conferred Associate of Arts or Associate of Science degree. As the amount of transfer credit may not exceed the sum of transferrable credit the student earned, the amount of transfer credit applicable to the Electives will be reduced by the sum of General Education Block credit awarded.

Note: In order to transfer courses to APUS, the student must earn a grade of "C" or better.

**Any transferable course not counted toward General Education or Major requirements may be taken. Please note, courses such as developmental, practicum, internships, clinical, and vocational courses are not transferable.

***Prerequisite: Senior Standing and completion of all major courses prior to enrollment.