

BLUE RIDGE COMMUNITY AND TECHNICAL COLLEGE (BRCTC) AA LIBERAL ARTS TO AMERICAN PUBLIC UNIVERSITY SYSTEM (APUS) BS SPACE STUDIES TRANSFER GUIDE			
APUS DEGREE REQUIREMENTS	BRCTC COURSES	CREDITS APPLIED	CREDITS NEEDED AT APUS
General Education Requirements (30 Credits Required)		30	0
Communication: Writing, Oral, & Multimedia (COMM) (9 Credits Required)		9	0
COMM120: Information and Digital Literacy <i>(Required)</i>	<i>Fulfilled by Gen Ed Block†</i>	3	
ENGL110: Making Writing Relevant <i>(Required)</i>	ENGL 101 English Composition I (APUS ENGL110)	3	
ENGL221: Scientific Writing <i>(Required)</i>	ENGL 102 English Composition II (APUS ENGL115)	3	
Arts & Humanities (ARHU) (6 Credits Required)		6	0
PHIL202: Philosophy of Science <i>(Required)</i>	BRCTC ENGL 204 / 208 Option (APUS LITR231)	3	
STEM270: Thinking and Acting Ethically <i>(Required)</i>	BRCTC ART 101/ENGL 215/ MUSC 111/THEA 101 Option* (APUS Recommends ART 103, MUSC 111, or THEA 101)	3	
History (HIST) (3 Credits Required)		3	0
STEM185: The History and Context of STEM <i>(Required)</i>	BRCTC HIST 101/102 Option (APUS HIST111/HIST112)	3	
Civics, Political & Social Sciences (SSPS) (6 Credits Required)		6	0
STEM280: Exploring Society and Cultures via Science Fiction <i>(Required)</i>	BRCTC PSCI 100/101/102 Option* (APUS Recommends PSCI 100 or PSCI 101)	3	
APUS General Education SSPS Course Choice	BRCTC PSYC 203/ SOCI 203 Option (APUS PSYC101/SOCI111)	3	
Mathematics and Applied Reasoning (MAAR) (3 Credits Required)		3	0
MATH110: College Algebra <i>(Required)</i>	BRCTC MATH Option* (APUS Recommends MATH 105) (APUS MATH110)	3	
Natural Sciences (NASC) (3 Credits Required)		3	0
CHEM180: Introduction to Chemistry <i>(Required)</i>	BRCTC Science Option* (APUS Recommends PHYS 104)	3	
Credit used to fulfill General Education requirements†			
	BRCTC ECON 205/ECON 206 Option (APUS ECON102/ECON101)	3	
Electives (25 Credits Required)		20	5
Choose any additional courses to meet degree requirements**	BRCTC Science Option* - Split	1	
	BRCTC Natural Science Concentration* - Split	1	
	COMM 202 Fundamentals of Speech (APUS COMM200)	3	
	CHEM 127 General, Organic & Biochem I (APUS CHEM133)	4	
	CHEM 128 General, Organic & Biochem II (APUS BIOL240)	4	

		MATH 114 Elem Probability & Statistics (APUS MATH120)	3	
		MATH 207 Calculus I (APUS MATH225)	3	
		MATH 207 Calculus I - Split	1	
Major Requirements (47 Credits Required)			10	37
MATH111: College Trigonometry	BRCTC MATH 106 Trigonometry	3		
Select 1 course from the following:				
MATH112: Pre-Calculus	BRCTC MATH 108 Pre-Calculus	3		
MATH120: Introduction to Statistics				
MATH225: Calculus				
STEM100: Introduction to STEM Disciplines	<i>Waived</i>			
SCIN133: Introduction to Physics with Lab	BRCTC Science Option* (APUS Recommends PHYS 103)	4		
SCIN134: Introduction to Astronomy with Lab				4
SCIN137: Introduction to Meteorology with Lab				4
SCIN138: Introduction to Physical Geology with Lab				4
SPST200: Introduction to Space Studies				3
SPST201: Introduction to Space Flight				3
SPST203: History of Space Flight				3
SPST361: Planetary Science with Lab				4
STEM380: Coevolution of Society, Culture, and Technology				3
SPST435: Planetary and Space Exploration				3
SPST465: Space Weather				3
Select 1 course from the following:				
STEM470: Cybersecurity, Surveillance, Privacy and Ethics				3
STEM471: Analytics, Algorithms, AI, and Humanity				
Aerospace Science Concentration Requirements^ (15 Credits Required)			0	15
SPST305: Introduction to Orbital Mechanics				3
SPST310: Rocket Propulsion				3
SPST330: Launch and Reentry Systems				3
SPST425: Satellite and Spacecraft Systems				3
SPST445: Space Transportation Systems				3
Final Program Requirement (3 Credits Required)			0	3
SPST499: Senior Seminar in Space Studies	MUST BE TAKEN AS FINAL COURSE			3
120 Credits Needed for Graduation			60	60
<p>†Per APUS' General Education Block policy, students with a conferred Associate of Arts or Associate of Science degree from a regionally-accredited higher education institution will be awarded transfer credit for APUS' General Education requirements (excluding Required). 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.</p> <p>^Credit mapped toward the Aerospace Science concentration. Other available concentrations for this program: 2) Astronomy, 3) Earth Science, 4) Space Entrepreneurship, and 5) Space Policy</p> <p>*Credit variances in academic placement and credit award can occur based on student course selections and APUS' program requirements.</p> <p>**Any transferable course not used to fulfill General Education or Major/Concentration requirements may be taken. Please note remedial/developmental and vocational credit is not transferrable.</p> <p>Note: In order to transfer courses to APUS, the student must earn a grade of "C" or better.</p>				