Blue Ridge Community and Technical College (BRCTC) A.S. Liberal Arts- Natural Sciences Concentration 2018-2019 Catalog		American Public University System (APUS) B.S. Natural Sciences April 2019	
Course #and Title	Credits	Course #and Title	Credits
		General Education Requirements Fulfilled	18 of 30
	+	Communication: Writing, Oral, and Multimedia (COMM)	9
ENGL 101: Written English I (ENGL110)	3	COMM120: Information and Digital Literacy - fulfilled by Gen Ed Block [†] ENGL110: Making Writing Relevant	3
BRCTC Humanities Option*	5	ENGL221: Scientific Writing (Required)	0 of 3
		Arts and Humanities (ARHU)	6
		PHIL202: Philosophy of Science (Required)	0 of 3
BRCTC Humanities Option*	3	APUS General Education ARHU Course Choice Civics, Political & Social Sciences (SSPS)	3 6
BRCTC Economics Option* PSCI 101 American Federal Government (POLS210)	3	APUS General Education SSPS Course Choice	3
	3	APUS General Education SSPS Course Choice	3
		History (HIST)	3
		HIST270: History of Science (Required)	0 of 3
MATH 106 Trigonometry (MATH111)	3	Mathematics and Applied Reasoning (MAAR) MATH111: College Trigonometry (Required)	3 3
	-	Natural Sciences (NASC)	3
		SPST180: Introduction to Astronomy (Required)	0 of 3
		Elective Requirements Fulfilled	19 of 1
BRCTC Social Science Option* ENGL 102 Writing for the Arts & Humanities (ENGL102)	3	Credit used to fulfill General Education requirements ⁺	3
BRCTC World History Option*	3		
ENGL 208 Survey of World Literature I (LITR201)	3	Condition will be the ADUC Flactbing Department of the St	10
MATH 105 Algebra (MATH110)	3	Credit applies to APUS Elective Requirements**	19
MATH 108 Pre-calculus	4		
MATH 114 Elem Probability & Statistics (MATH120) COMM 202: Fundamentals of Speech (COMM200)	3		
MATH 207 Calculus I - split	1	Excessive/Non-Applicable Transfer Credit	4
		Major Requirements Fulfilled	19 of 3
CHEM 127: General, Organic & Biochem I (CHEM133)	4	CHEM133: General Chemistry I with Lab	4
BIOL 101 General Biological Science I (<mark>BIOL133)</mark> CHEM 128: General, Organic, & Biochem II <mark>(CHEM134</mark>)	4	BIOL133: General Biology I with Lab CHEM134: General Chemistry II with Lab	4
BIOL 102 General Biological Science II (BIOL134)	4	BIOL134: General Biology II with Lab	4
		GEOG103: Physical Geography	0 of 3
MATH 207 Calculus I (MATH225)	3	MATH225: Calculus	3
		Choose one of the following: PHYS133: Elements of Physics with Lab, or	0 of 4
		SCIN233: Physics I with Lab	0.062
		MATH226: Calculus II Choose one of the following: PHYS134: Elements of Physics II with Lab or	0 of 3
		SCIN234: Physics II with Lab	0 of 4
		MATH302: Statistics	0 of 3
		Concentration in Biology Requirements Fulfilled BIOL240: Elements of Biological Chemistry	0 of 32 0 of 3
			0015
		BIOL241: Cell Biology	0 of 3
		BIOL241: Cell Biology SCIN211: Principles of Genetics with Lab	
		SCIN211: Principles of Genetics with Lab BIOL342: Evolutionary Biology with Lab	0 of 4 0 of 4
		SCIN211: Principles of Genetics with Lab BIOL342: Evolutionary Biology with Lab EVSP416: General Ecology with Lab	0 of 3 0 of 4 0 of 4 0 of 4
		SCIN211: Principles of Genetics with Lab BIOL342: Evolutionary Biology with Lab EVSP416: General Ecology with Lab SCIN400: Research Methods in Natural Sciences	0 of 4 0 of 4 0 of 4
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