

**Blue Ridge Community & Technical College and American Public University System**  
Articulation Agreement for Associate of Science General Studies Natural Sciences Concentration to  
Bachelor of Science in Natural Sciences

Courses required to earn AS General Studies Natural Sciences Concentration at BRCTC & how it transfers to APUS						
Blue Ridge Community & Technical College			American Public University System			
Course #	Course Title	Credits	Course #	Course Title	Credits	APUS Area
<b>Year 1, Semester 1</b>			<i>Transfers to APUS as</i>			
ENGL 101	Written English I	3	ENGL101	Proficiency in Writing	3	English
MATH 105	College Algebra	3	MATH110	College Algebra	3	General Elective
<b>Select ONE</b>						
HIST 101	World History to 1500	3	HIST111	World Civilization before 1650	3	History
HIST 102	World History since 1500		HIST112	World Civilization since 1650		
<b>Select ONE</b>						
ART 103	Intro to Visual Art	3	ARTH200	Art Appreciation	3	Humanities
MUSC 111	Introduction to Music		MUSI200	Music Appreciation		
PHIL 101	Introduction to Philosophy		PHIL101	Introduction to Philosophy		
BIOL 101	General Biology I	4	BIOL133	General Biology I with Lab	4	Core
<b>Year 1, Semester 2</b>						
ENGL 102	Writing for Arts & Humanities	3	ENGL102	Effectiveness in Writing	3	English
MATH 108	Pre-Calculus	4		General Elective	4	General Elective
PSCI 101	American Federal Government	3	POLS210	American Government I	3	Political Science
BIOL 102	General Biology II	4	BIOL134	General Biology II with Lab	4	Core
<b>Select ONE</b>						
PSYC 203	Introduction to Psychology	3	PSYC101	Introduction to Psychology	3	Social Science
SOCI 203	General Sociology		SOCI111	Introduction to Sociology		
<b>Year 2, Semester 1</b>						
ENGL 208	Survey of World Literature	3	LITR201	World Literature through the Renaissance	3	Literature
MATH 106	Trigonometry	3	MATH111	College Trigonometry	3	Mathematics
CHEM 127	Gen, Organic, Biochemistry I	4	CHEM133	General Chemistry I with Lab	4	Core
Elective –	<i>Recommended</i>					
PHYS 201	General Physics I	4	SCIN233	Physics I with Lab	4	Core
GEOL 101	Geological Sciences	4	SCIN138	Intro to Physical Geology with Lab	4	Concentration <sup>3</sup>
<b>Year 2, Semester 2</b>						
CHEM 128	Gen, Organic, Biochemistry II	4	BIOL240	Elements of Biological Chemistry <sup>2</sup>	0	Non/Applicable <sup>1</sup>
MATH 114	Elementary Probability & Stats	3		General Elective (2 credit hours)	2	General Elective
				Non/Applicable Transfer credit (1 credit hour) <sup>1</sup>	0	Non/Applicable <sup>1</sup>
MATH 207	Calculus I	4	MATH225	Calculus (3 credit hours)	3	Core
				Non/Applicable Transfer Credit (1 credit hour)	0	Non/Applicable <sup>1</sup>
<b>Select ONE</b>						
ECON 205	Principles of Macroeconomics	3	ECON101	Microeconomics	3	Social Science
ECON 206	Principles of Microeconomics		ECON102	Macroeconomics		
<b>Total Transfer Credits for A.S. General Studies</b>		<b>61</b>	<b>Transferable from A.S. to BS</b>		<b>55</b>	

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

<sup>1</sup> General Elective for BS in Natural Sciences is only 9 credit hours. This is fulfilled by other credit.

<sup>2</sup> Three more credit hours will transfer to BS Natural Sciences if concentration in Biology is chosen, bringing total of transfer credit to 58 out of 61.

<sup>3</sup> Recommended course for students pursuing BS Natural Sciences – Concentration in Earth Science

Please note, this crosswalk is a guide for the 2016 catalog. If you are not in a 2016 catalog, this information may not be accurate. Please contact [info@apus.edu](mailto:info@apus.edu) for more information.

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Degree Overview	
Transfer Credit from AS General Studies Natural Sciences	55
Total Credit to Earn at APUS	67
Total Credits earned between BRCTC and APUS	122

Required APUS Courses for BS in Natural Sciences		
Course #	Course Title	Credits
<b>First Course Requirement</b>		
COLL100	Foundations of Online Learning <sup>2</sup>	3
<b>Core Requirements</b>		
CHEM134	General Chemistry II with Lab	4
ENGL221	Scientific Writing	3
GEOG103	Physical Geography	3
HIST270	History of Science	3
MATH226	Calculus II	3
MATH302	Statistics	3
PHIL202	Philosophy of Science	3
SCIN299	Natural Sciences Review	3
SCIN400	Research Methods in Natural Sciences	3
SCIN234	Physics II with Lab	4
<b>Choose <u>ONE</u> Concentration below:</b>		
<b>Concentration in Biology</b> <i>See APUS catalog for list of courses</i>		29
<b>Concentration in Earth Science</b> <i>See APUS catalog for list of courses</i>		29
<b>Final Course Requirements</b>		
SCIN499	Senior Seminar in Natural Sciences	3
<b>Total Credits to Earn</b>		<b>67</b>
<b>Total Credits for BS in Natural Sciences</b>		<b>122</b>
<sup>2</sup> Student may request to waive COLL100. If COLL100 was waived, this will add 3 more credit hours to General Elective requirements. Contact <a href="mailto:info@apus.edu">info@apus.edu</a> for more information.		

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