

## Addendum B

### Program-to-Program Articulation

#### Pennsylvania Highlands, Associate of Arts, Liberal Arts & Sciences, Biology and Penn State Altoona, Bachelor of Science, Biology

Program offered at Penn State Altoona.

Pennsylvania Highlands Community College			Penn State University, Altoona College			
Liberal Arts & Sciences (A.A.): Biology concentration <a href="https://www.pennhighlands.edu/academics/liberal-arts-sciences/liberal-arts/biology/">https://www.pennhighlands.edu/academics/liberal-arts-sciences/liberal-arts/biology/</a>			Biology (BIOAL_BS) <a href="https://bulletins.psu.edu/undergraduate/colleges/altoona/biology-bs/#programrequirements">https://bulletins.psu.edu/undergraduate/colleges/altoona/biology-bs/#programrequirements</a>			
REQUIREMENT	COURSE	CREDITS	COURSE	REQUIREMENT	CREDITS	DIRECT OR SUBSTITUTION
Gen Ed	FYE 101 First Year Experience	1.0				
Required	BIO 104 and 114 PRINCIPLES OF BIOLOGY I and Lab	4.0	BIOL 110 Biology Conc Biod	Major Requirement	4.0	Direct
Required	CHM 120 GENERAL CHEM I	4.0	CHEM XFRGN1	General Education Natural Sciences Requirement (GN) or Elective	4.0	Substitution
Gen Ed	ENG 110 English Composition I	3.0	ENGL 15 Rhetoric and Comp	General Education Writing/Speaking Requirement (GWS)	3.0	Direct
Gen Ed	MAT 145 College Algebra	3.0	MATH 22 Calc Anal Geom I	General Education Quantification (GQ) or Elective	3.0	Direct
Required	BIO 106 PRINCIPLES OF BIOLOGY II	3.0	BIOL XFRGEN BIOL- General Transfer Credit	General Education Natural Sciences Requirement (GN) or Elective	3.0	Substitution
Required	BIO 116 PRINCIPLES OF BIOLOGY II LAB	1.0	BIOL XFRGN1 Transfer Credit GN1		1.0	
Math or Science Elective*	AST 100 INTRO TO ASTRONOMY	3.0	ASTRO 1 Astro Universe	General Education: Natural Sciences (GN)	3.0	Direct

Gen Ed	ENG 200 English Composition II: Studies in Literature	3.0	ENGL 201 What Is Literature	General Education: Humanities (GH)	3.0	Direct
Math Elective*	MAT 200 PROBABILITY & STATISTICS	3.0	STAT 100 Stat Concepts	General Education: Quantification (GQ)	3.0	Direct
Required	PHY 110 and 111 Physics (Algebra-based) I and Lab	4.0	PHYS 250 Intro Phys I	Major Requirement	4.0	Direct
Humanities Track 1 or 2 Elective*	MUS 100 Introduction to Music	3.0	MUSIC 5 Intro to Western Music	General Education: Arts (GA)	3.0	Direct
Open Elective*	MAT 210 CALC ANLY GEOM I	4.0	MATH 140 Calc Anal Geom I	Major Requirement General Education Quantification (GQ)	4.0	Direct
Science Elective*	BIO 102 LIFE SCIENCE	3.0	BBH XFRGEN	Elective	3.0	Substitution
Social Science Elective*	GOV 100 Intro to American National Gov	3.0	PLSC 1 American National Govt	General Education: Social and Behavioral Scien (GS) United States Cultures (US)	3.0	Direct
Values and Ethics Elective*	PHI 110 BASIC PROBS OF PHIL/INTRO PHIL	3.0	PHIL 1 The Big Questions	General Education: Humanities (GH)	3.0	Direct
Communication Elective*	COM 101 EFFECTV SPCH / PUBLIC SPEAKING	3.0	CAS 100 Effective Speech	General Education: Writing/Speaking (GWS)	3.0	Direct
Open Elective*	ART 101 INTRO TO ART	3.0	ARTH 100 Intro to Art	General Education: Arts (GA) International Cultures (IL)	3.0	Direct
Required	CIT 100 Microcomputer Applications	3.0	CMPS 100 Cmp Fundamentals	Elective	3.0	Direct
Science Elective	BIO 202 HUMAN ANAT/PHYS 1	3.0	BIOL 161 A&P Lect	General Education: Natural Sciences (GN) or Elective	3.0	Direct
Science Elective	BIO 212 HMN ANAT/PHYS LB	1.0	BIOL 162 A&P Lab		1.0	Direct
	Total NCC Credits	61.0		Total PSU Credits	60.0	

**Penn State requires three credits of International Cultures (IL) and three credits of United States Cultures (US). The two courses that fulfill the IL and US requirements can also be used to fulfill General Education Arts, Humanities or Social Science requirements.**

Penn State requires two units in a single world language other than English. A student may be admitted with fewer than two units in a world language other than English, but must correct this deficiency by the time she/he earns 60 credits or graduates from Penn State, whichever comes first. This deficiency may be corrected by passing one three- or four-credit college level world language course or by demonstrating proficiency equivalent to two units of high school world language study.