

**Addendum A (11)**  
**Program-to-Program Articulation**

**Harrisburg Area Community College Associate in Biology**  
**Penn State Baccalaureate in Science**  
**Offered at Penn State York**

<i>Harrisburg Area Community College</i>			<i>PSU University College</i>			
<i>Biology, A.S</i>			<i>Science, B.S. Life Science Option (SCIUC_BS_LIFE)</i> <a href="http://bulletins.psu.edu/undergrad/programs/baccalaureate/S/SC%20BS">http://bulletins.psu.edu/undergrad/programs/baccalaureate/S/SC%20BS</a>			
REQUIREMENT	COURSE	CREDITS	REQUIREMENT	COURSE	CREDITS	DIRECT or SUBSTITUTION
English Composition I	ENGL 101	3	General Education Writing and Speaking (GWS)	ENGL 15 (GWS)	3	D
English Composition II	ENGL 102	3	General Education Writing and Speaking (GWS)	ENGL XFRGEN for 202B, ENGL 202C or ENGL 202D (GWS)	3	S/D/D
Effective Speaking	COMM 101	3	General Education Writing and Speaking (GWS)	CAS 100 (GWS)	3	D
Core A	See General Education Arts(GA), Humanities (GH) or Social and Behavioral Science (GS) courses General Education Appendix	3	General Education Arts (GA), Humanities (GH) or Social and Behavioral Science (GS) courses	See GA, GH or GS courses on General Education Appendix	3	D
Core B	See General Education Arts(GA), Humanities (GH) or Social and Behavioral Science (GS) courses General Education Appendix	6	General Education Arts (GA), Humanities (GH) or Social and Behavioral Science (GS) courses	See GA, GH or GS courses on General Education Appendix	6	D
Core C – BIOL	BIOL 101	4	Required Course in Major and General Education Natural Science (GN)	*BIOL 110 (GN)	4	D
Core C – CHEM	CHEM 101	4	Required Courses in Major General Education Natural Science (GN)	*CHEM 110 (GQ) and CHEM 111 (GQ)	3+1	D
Core C – MATH	MATH 121	4	Required Course in Major and General Education Quantification (GQ)	*MATH 140 (GQ)	4	D
Core C- MATH	MATH 122	4	Required Course in Major and General Education Quantification (GQ)	MATH 141 (GQ)	4	D
Major Requirement	BIOL 102	4	Additional Course in Major	BIOL XFRGEN for BIOL 240W	4	S
Major Requirement	CHEM 102	4	Required Course in Major and General Education Natural	CHEM 112 (GN); CHEM 113 (GN)	3+1	D

			Sciences (GN)			
Major Requirement	CHEM 203	4	Required Course in Major	CHEM 210 + CHEM XFRGEN	3 1	D S
Major Requirement	CHEM 204	4	Required Course in Major	CHEM 212 + CHEM XFRGEN for CHEM 213	3 1	D
BIOL Elective	BIOL 206 BIOL 250 BIOL 212  BIOL 215	8-12	Supporting Courses in Major	BIOL XFR200 BIOL XFRGEN BIOL 127 and BIOL XFRGEN BIOL 222 and BIOL XFRGN2	4 4 3+1 3+1	S S S S
General Education Transfer Elective	PHYS 201	4	Required Course in Major	*PHYS 250 (GN)	4	D
Transfer Elective	PHYS 202	4	Required Course in Major	PHYS 251 (GN)	4	D
PE & Wellness	Recommended: PE 201 or HLTH 101 ( <b>PSU requires 3 GHA credits</b> )	3	General Education Health and Activity (GHA)	KINES XFRGHA (GHA)	3	D
	Total HACC Credits	69-73		Total PSU Credits	69-73	

*\*Entrance-to-Major requirements include a grade-point average of at least 2.0, a grade of C or higher in Math 140(HACC: MATH 121), and two of the following three courses: BIOL 110 (HACC: BIOL 101), CHEM 110 (HACC: CHEM 101), PHYS 250(HACC: PHYS 201). Student without these courses can be admitted to pre-major if they have completed at minimum HACC MATH 104 (PSU MATH 26).*

*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 s/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.*