

Appendix A
PCCC A.S.L.A. Biology Option to WPU B.S. Biology

PCCC Courses – A.S.L.A.			WPU Equivalency B.S.		
Course Code	Course Name	Cr	Course Code	Course Name	Cr
Semester 1					
BS 101	Biology I	4	BIO 1630	General Biology: Cell, Molecular and Genetics	4
CH 111	General Chemistry I	4	CHEM 1600	General Chemistry I	4
EN 101	Composition I	3	ENG 1100	College Writing	3
MA 109 or MA 120 or MA 121 or MA 201 or MA 202	Pre-Calculus Mathematics or Calculus I or Calculus II or Calculus III or Differential Equations	4	MATH 1160 or MATH 1600 or MATH 1610 or MATH 2010 or MATH 3220	Pre-Calculus or Calculus I or Calculus II or Calculus III or Differential Equations	4
Semester Credits		15	Semester Credits		15
Semester 2					
BS 102	Biology II	4	BIO 1620	General Biology: Evolution, Ecology and Biodiversity	4
CH 112	General Chemistry II	4	CHEM 1620	General Chemistry II	4
EN 102	Composition II	3	ENG 1500	Experiences in Literature	3
MA 109 or MA 120 or MA 121 or MA 201 or MA 202	Pre-Calculus Mathematics or Calculus I or Calculus II or Calculus III or Differential Equations	4	MATH 1160 or MATH 1600 or MATH 1610 or MATH 2010 or MATH 3220	Pre-Calculus or Calculus I or Calculus II or Calculus III or Differential Equations	4
Semester Credits		15	Semester Credits		15
Semester 3					
CIS 101 or CIS 107	Computer Concepts and Applications or Information Technology Fundamentals & Applications	3	CS 2010 or CS 2010	Computer & Information Technology or Computer & Information Technology	3
	Social Science Course	3		Equivalent Social Science Course	3
	Humanities Course	3		Equivalent Humanities Course	3
BS 103 or BS 104 or BS 203 or BS 207	Anatomy & Physiology I or Anatomy & Physiology II or Microbiology or Cell Biology	3-4	BIO 1180 or BIO 1190 or BIO 1700 or BIO 2050	Basic Anatomy & Physiology I or Basic Anatomy & Physiology II or Basic Microbiology or Cell Biology	3-4

or BS 212 Or SC 104	or Biology of Aging or Introduction to Environmental Science or Environmental Ethics or Introduction to Geology		or ENV 1100 or ENV 1150	or Free Elective/minor course or Environmental Sustainability or Free Elective/minor course or General Geology	
CH 211 or PY 101 or PY121	Organic Chemistry I or College Physics I or Physics I	4	CHEM 2570 or PHYS 2550 or PHYS 2600	Organic Chemistry I or College Physics I or General Physics I	4
Semester Credits		16- 17	Semester Credits		16- 17
Semester 4					
SC 290	Select Topics in Science	3		Degree credit	3
CH 212 or PY 102 or PY 121	Organic Chemistry II or College Physics II or Physics II	4	CHEM 2580 or PHYS 2560 or PHYS 2610	Organic Chemistry II or College Physics II or General Physics II	4
BS 103 or BS 104 or BS 203 or BS 207 or BS 212 or SC 104 or SC 206 or SC 202	Anatomy & Physiology I or Anatomy & Physiology II or Microbiology or Cell Biology or Biology of Aging or Introduction to Environmental Science or Environmental Ethics or Introduction to Geology	3-4	BIO 1180 or BIO 1190 or BIO 1700 or BIO 2050 or ENV 1100 or ENV 1150	Basic Anatomy & Physiology I or Basic Anatomy & Physiology II or Basic Microbiology or Cell Biology or Free Elective/minor course or Environmental Sustainability or Free Elective/minor course or General Geology	3-4
	Humanities or Social Science Course	3		Equivalent Humanities or Social Science Course	3
Semester Credits		13- 14	Semester Credits		13- 14
Credit Total		60	Semester 5		
			CHEM 2570	Organic Chemistry 1	4
			BIO 2060	General Genetics	4
			PHYS 2550 or	College Physics I or	4

PHYS 2600	General Physics I	
	World Language I or ASL I	3
Semester Credits		16
Semester 6		
CHEM 1620	General Chemistry II	3
BIO 2040	General Biology: Physiology	4
BIO 2050	Cell Biology	4
	World Language II or ASL II	3
Semester Credits		14
Semester 7		
	Choose a major elective from Biology Plant	4
	Choose a major elective	4
	Choose a major elective	3
MATH 2300	Statistics I	4
Semester Credits		16
Semester 8		
BIO 4800 or BIO 4990	Biology Seminar or Independent Study	4
	Choose a major elective	4
	Free Elective/minor course	3
	Free Elective/minor course	3
Semester Credits		14
		Credit Total 120
Biology Major Plant Elective (Choose 1) BIO 3610 General Botany BIO 3650 Plant Physiology BIO 3350 Field Botany BIO 4630 Terrestrial Plant Ecology		
Biology Major Electives – Required Courses: 5 Two courses must be four (4) credit 3000 level Biology courses. Students may use PHYS 2560 or PHYS 2610 to fulfill on Biology Elective. BIO 3120 may not be used to fulfill this requirement. BIO3020-BIO4850 In addition, the following course also counts as a Biology Major elective: CHEM 2580 Organic Chemistry II CHEM 4270 Biochemistry PHYS 2560 College Physics II PHYS 2610 General Physics II		

Notes: 1. William Paterson University will accept all associate degree credits under this program-to-program articulation agreement, including up to half of the William Paterson University major required credits, from New Jersey community college students who enroll at William Paterson University

2. William Paterson University recommends students to take two semesters of one foreign language at the community college. Two semesters of American Sign Language can also fulfill the foreign language requirement.
3. WP Online students should always refer to the semester course schedule when choosing electives, as elective course offerings may vary each semester.

Effective 3/12/2024