

Appendix A
PCCC A.S.L.A. Physical Science Option to WPU B.S. Chemistry

PCCC Courses – A.S.L.A.			WPU Equivalency B.S.		
Course Code	Course Name	Cr	Course Code	Course Name	Cr
Semester 1					
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
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
	Humanities Course	3		Equivalent Humanities Course	3
Semester Credits		17	Semester Credits		17
Semester 2					
PY 120	Physics I	4	PHYS 2600	General Physics I	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					
PY 121	Physics II	4	PHYS 2610	General Physics II	4
	Social Science Elective	3		Equivalent Social Science Course	3
BS 103 or BS 104 or BS 203 or BS 207 or BS 212	Anatomy & Physiology I or Anatomy & Physiology II or Microbiology or Cell Biology or Biology of Aging	3-4	BIO 1180 or BIO 1190 or BIO 1700 or BIO 2050 or	Basic Anatomy & Physiology I or Basic Anatomy & Physiology II or Basic Microbiology or Cell Biology or Free Elective/minor course	3-4

or SC 104	or Introduction to Environmental Science		ENV 1100	or Environmental Sustainability	
or SC 206	or Environmental Ethics		or	or Free Elective/minor course	
or SC 202	or Introduction to Geology		ENV 1150	or General Geology	
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		14- 15	Semester Credits		14- 15
Semester 4					
SC 290	Select Topics in Science	3		Degree credit	3
	Humanities or Social Science Course	3		Equivalent Humanities or Social Science Course	3
CH 212 or MA 202	Organic Chemistry II or Differential Equations	4	CHEM 2580 or MATH 3220	Organic Chemistry II or Differential Equations	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
Semester Credits		13- 14	Semester Credits		13- 14
Credit Total		60	54 Credits required for the major		
Semester 5					
			CHEM 2110	Introduction to Instrumental Methods	4
			CHEM 3150	Physical Chemistry I	4

CHEM 4270	Biochemistry	4
	World Language I or ASL I	3
Semester Credits		15
Semester 6		
CHEM 3160	Physical Chemistry II	4
CHEM 3200	Inorganic Chemistry	4
	Free Elective/minor course	3
	World Language II or ASL II	3
Semester Credits		14
Semester 7		
CHEM 4010	Analytical Instrumentation	4
CHEM 4280	Biochemistry II	4
	Free Elective/minor course	3
	Free Elective/minor course	3
Semester Credits		14
Semester 8		
CHEM 4820	Senior Research in Chemistry	3
	Choose a Chemistry Elective	4
	Free Elective/minor course	4
	Free Elective/minor course	3
	Free Elective/minor course	3
Semester Credits		17
Credit Total		120
Advanced Chemistry Elective Requirements Choose one (1) Course CHEM 4030 Physical Chemistry III CHEM 4100 Industrial Chemistry CHEM 4230 Chemistry of Natural Products CHEM 4260 Organic Spectroscopy CHEM 4280 Biochemistry 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.