

### Appendix A

#### **PCCC A.S. Environmental Sustainability to WPU B.S. Environmental Sustainability**

PCCC Courses – A.S.			WPU Equivalency B.S.		
Course Code	Course Name	Cr	Course Code	Course Name	Cr
<b>Semester 1</b>					
SC 104	Introduction to Environmental Science	4	ENV 1100	Environmental Sustainability	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
<b>Semester 2</b>					
SC 111	Introduction to Sustainability	4		Degree Credit	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
	Social Science Course	3		Equivalent Social Science Course	3
Semester Credits		18	Semester Credits		18
<b>Semester 3</b>					
	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 or BS 212 or SC 104	Anatomy & Physiology I or Anatomy & Physiology II or Microbiology or Cell Biology or Biology of Aging or Introduction to Environmental Science	3-4	BIO 1180 or BIO 1190 or BIO 1700 or BIO 2050 or ENV 1100	Basic Anatomy & Physiology I or Basic Anatomy & Physiology II or Basic Microbiology or Cell Biology or Free Elective/minor course or Environmental Sustainability	3-4

or SC 206 or SC 202	or Environmental Ethics or Introduction to Geology		or ENV 1150	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		13- 14	Semester Credits		13- 14
Semester 4					
BS 204	Introduction to Ecology	4	BIO 3400	Ecology (Environmental Science Department will substitute for ENV 3600 Ecosystem Sustainability)	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  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		14- 15	Semester Credits		14- 15
Credit Total		60	54 Credits required for the major		
Semester 5					
			ENV 3500	Energy and Sustainable Technology	3
			ENV 4700	Hydrogeology	3
				Environmental Sustainability Elective	3
				World Language I	3

	or ASL I	
	Free Elective/minor course	3
Semester Credits		15
Semester 6		
ENV 3800	Junior Seminar	3
ENV 3010	Field Experience	3
ENV 3890	Environmental Factors in Land Use	3
	Social/Policy Elective	3
	World Language II or ASL II	3
Semester Credits		15
Semester 7		
ENV 3170	Global Climate Change	4
ENV 4800	Senior Environmental Practicum	4
	Social/Policy Elective	3
MATH 2300	Statistics I	4
Semester Credits		15
Semester 8		
	Environmental Sustainability Elective	3
	Social/Policy Elective	3
ENV 4230	Pollutions, Hazards, Impacts and Risk	3
	Free Elective/minor course	3
	Free Elective/minor course	3
Semester Credits		15
		<b>Credit Total 120</b>
Social and Policy Electives ENV 3400 Environmental Law PBHL 3400 Environmental Health PHIL 3350 Environmental Ethics		
Environmental Sustainability Electives BIO 3450 Conservation Biology ENV 2170 Introduction to Oceanography ENV 2500 Meteorology ENV 3750 Soils ENV Independent Study Credits Alternate 2000-4000 level course with advisor's permission		

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.