

Appendix 34

Associate of Science in Science and Math: Biology at Sussex County Community College and

Bachelor of Science in Biology at William Paterson University, College of Science and Health

<u>SCCC Courses AS</u>	<u>Credits</u>	<u>WP Equivalencies BS</u>
	<u>Semester 1</u>	
COLL 101 Foundations for Success	3	WPU1010 Will. Power
ENGL 101 English Composition I	3	ENG1100 College Writing
MATH 110 Pre-Calculus I	3	MATH1160 Precalculus
BIOS 110 Biology I	4	BIO1630 General Biology: Cell, Molecular, and Genetics
CHEM 110 College Chemistry I	3	CHEM1600 General Chemistry I
	<u>Semester 2</u>	
ENGL 102 English Composition II	3	ENG1500 Experiences in Literature
MATH 108 Statistics	3	MATH1300 Elementary Statistics
BIOS 112 Biology II	4	BIO1620 General Biology: Evolution, Ecology & Biodiversity
CHEM 112 College Chemistry II	4	CHEM1620 General Chemistry II
	<u>Semester 3</u>	
BIOS 102 Intro. to Human Biology	4	Degree Credit
BIOS 124 Ecology	4	Degree Credit
COMS 110 Computer Concepts & Applications	3	CS1300 Introduction To Visual Basic
Social Science Requirement	3	Equivalent Social Science Credit
	<u>Semester 4</u>	
BIOS 210 Microbiology	4	BIO1700 Basic Microbiology
Option Elective	4	Degree Credit
Humanities Requirement (Recommend World Language I)	3	Equivalent Humanities Credit or World Language I Credit
Social Science Requirement	3	Equivalent Social Science Credit
COLL 212 Capstone for Graduation	1	Degree Credit
WP BS Biology (60 credits in major)		
	<u>Semester 5</u>	
	3	World Languages II or ASL II
	4	CHEM 2570 Organic Chemistry I
	3	PHYS 2560 College Physics II OR PHYS2610 General Physics I*
	4	BIO 2040 General Biology: Physiology
	<u>Semester 6</u>	
	4	MATH2300 Statistics I
	3	Choose a free elective/minor course
	4	BIO 2060 General Genetics

	4	BIO 2050 Cell Biology
	Semester 7	
	4	Choose a major elective (see below)
	4	Choose a major elective (see below)
	4	Choose a PLANT elective(see below)
	3	Choose a free elective/minor course
	Semester 8	
	4	BIO4800 Biology Seminar OR BIO4900 Independent Study
	4	Choose a major elective (see below)
	4	Choose a major elective (see below)
	3	Choose a major elective (see below)
		Biology Major Electives
SCC Option Electives (Recommended)		Required Courses: 4
BIOS 122 - Intro. to Environmental Science Credits: 4		Two courses must be four (4) credit 3000 level Biology courses. Students may use PHYS 2560 or PHYS 2610 to fulfill one Biology Elective*
CHEM 107 - Forensic Science Credits: 4		BIO 3120 may not be used to fulfill this requirement.
HORT 102 - Plant Propagation Credits: 4		BIO 3020 - BIO 4850
PHYS 110 - Physics I Credits: 4		The following courses also counts as a Biology Major Elective:
		CHEM 2580 Organic Chemistry II
		CHEM 4270 Biochemistry
		Biology Major Plant Elective
		Required Course: 1
		BIO 3610 General Botany
		BIO 3650 Plant Physiology
		BIO 3350 Field Botany
		BIO 4630 Terrestrial Plant Ecology

Notes:

1. William Paterson University will accept all Associate of Arts, Associate of Science, or Associate of Fine Arts 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 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 check with their WP Online advisor and/or refer to the semester course schedule when choosing electives, as elective course offerings may vary each semester.