

## Appendix 36

### Associate of Science in Science and Math: Chemistry at Sussex County Community College and Bachelor of Science in Medicinal Biochemistry at William Paterson University, College of Science and Health

<u>SCCC Courses AS</u>	<u>Credits</u>	<u>WP Equivalencies BS</u>
	<b><u>Semester 1</u></b>	
COLL101 Foundations for Success	3	WPU1010 Will Power
ENGL101 English Composition I	3	ENG1100 College Writing
MATH113 Calculus I	4	MATH1600 Calculus I
CHEM110 College Chemistry I	4	CHEM1600 General Chemistry I
	<b><u>Semester 2</u></b>	
ENGL102 English Composition II	3	ENG1500 Experiences in Literature
MATH114 Calculus II	4	MATH1610 Calculus II
CHEM112 College Chemistry II	4	CHEM1620 General Chemistry II
COMS114 Intro to Computer Science I	3	CS2010 Computer & Info Technology
	<b><u>Semester 3</u></b>	
CHEM210 Organic Chemistry	4	CHEM2570 Organic Chemistry I
MATH213 Calculus III	4	MATH2010 Calculus III
PHYS120 Physics I with Calculus	4	PHYS2600 General Physics I
Social Science Requirement	3	Equivalent Social Science Credit
	<b><u>Semester 4</u></b>	
CHEM212 Organic Chemistry II	5	CHEM2580 Organic Chemistry II
PHYS121 Physics II with Calculus	4	PHYS2610 General Physics II
Humanities Requirement (Recommend World Language I)	3	Equivalent Humanities Credit or World Language I Credit
Social Science Requirement	3	Equivalent Social Science Credit
COLL212 Graduation Capstone	1	Degree Credit
<b>WP BS Medicinal Biochemistry (55 credits in the major)</b>		
	<b><u>Semester 5</u></b>	
	4	CHEM 2110 Introduction To Instrumental Methods
	4	CHEM 3150 Physical Chemistry I
	4	Choose a free elective/ minor course
	3	World Language II or ASL II
	<b><u>Semester 6</u></b>	
	4	CHEM 3160 Physical Chemistry II
	4	Choose a free elective/ minor course
	4	CHEM 4270 Biochemistry
	4	CHEM 3200 Inorganic Chemistry
	<b><u>Semester 7</u></b>	
	3	CHEM 4440 Medicinal Chemistry

	4	CHEM 4450 Modern Methods in Drug Design
	4	<b>Biochemistry Elective</b>
	4	CHEM 4280 Biochemistry II
	<b>Semester 8</b>	
	3 or 4	Choose a free elective/ minor course
	4	<b>Biochemistry Elective</b>
	3	CHEM 4820 Senior Research in Chemistry
	1	CHEM 4800 Seminar
	3	Choose a free elective/ minor course
		<b>WP Biochemistry Elective Requirement (select two courses)</b>
		BIO 2050 Cell Biology Credits:
		CHEM 4010 Analytical Instrumentatn
		CHEM 4220 Advance Organic Chemistry
		CHEM 4300 Nanochem & Tech

**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.