

Appendix D

Associate of Science in Chemistry at Bergen Community College and Bachelor of Science in Chemistry at William Paterson University, College of Science and Health

<u>Bergen Courses AS</u>	<u>Credits</u>	<u>WP Equivalency BS</u>
<u>Semester 1</u>		
Free elective	3	Degree Credit
ENG101 English Composition I	3	ENG1100 College Writing
MAT280 Calculus I	4	MATH1600 Calculus I
CHM140 General Chemistry I		CHEM1600 General Chemistry I
CHM141 General Chemistry- Lab	4	
<u>Semester 2</u>		
Social Science Course	3	Equivalent Social Science Credit
COM100 Speech Communication OR COM102 Public speaking	3	COMM1100 Communication in Action OR COMM2630 Public Speaking
CHM240 General Chemistry II	4	CHEM1620 General Chemistry II
CHM241 General Chemistry II- Lab		
MAT281 Calculus II	4	MATH1610 Calculus II
<u>Semester 3</u>		
Humanities Course	3	Equivalent Humanities Credit
Natural Science or Mathematics/ Computer Science Elective	4	Equivalent Natural Science or Mathematics/ Computer Science Course
CHM260 Organic Chemistry I	4	CHEM2570 Organic Chemistry I
PHY280 Physics I	4	PHYS2600 General Physics I
<u>Semester 4</u>		
Humanities Course	3	Equivalent Humanities Credit
Free Elective	3	Degree Credit
CHM262 Organic Chemistry II	4	CHEM2580 Organic Chemistry II
PHY290 Physics II	4	PHYS2610 General Physics II
WP BS Chemistry (62 to 63 credits in the major)		
<u>Semester 5</u>		

3	World Languages I or ASL I
4	CHEM 3150 Physical Chemistry I
4	CHEM4270 Biochemistry I
3	Choose a minor elective/minor course

Semester 6

4	CHEM 3160 Physical Chemistry II
4	CHEM 2110 Introduction to Instrumental Methods
3	World Languages II or ASL II
4	CHEM 3200 Inorganic Chemistry

Semester 7

4	CHEM 4010 Analytical Instrumentation
4	CHEM 4270 Biochemistry
3	CHEM 4800 Senior Research in Chemistry
3	Choose a minor elective/minor course

Semester 8

3	Choose a major elective
3	CHEM 4820 Senior Research in Chemistry
3	Choose a minor elective/minor course
3	Choose a minor elective/minor course
3	Choose a minor elective/minor course

Advanced Chemistry Elective Requirement

Required Courses: 1

CHEM 4030 Physical Chemistry III

CHEM 4100 Industrial Chemistry

CHEM 4230 Chemistry of Natural Products

CHEM 4260 Organic Spectroscopy

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 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 advisor and/or refer to the semester course schedule when choosing electives, as elective course offerings may vary each semester.