



[CHEMPRXAS; CIP Code 40.0501]

Associate in Science (A.S.) – Transfer

This Chemistry program option provides students with the basic course requirements to satisfy the first two years of a Doctor of Pharmacy (Pharm.D.) at a transfer professional institution. A minimum grade of "C" is usually needed for any course to transfer. In addition, students must successfully complete the PCAT and any other transfer application requirements specified by the pharmacy school.

Program Learning Outcomes

Students who have completed the program should be able to:

- Demonstrate competency in fundamental inorganic and organic chemistry topics by applying critical thinking and problem solving skills to solving chemistry/biology based problems including utilizing graphical analyses
- Develop and demonstrate the basic skill set of techniques and procedures, including recording and reporting of scientific information acquired in the laboratory, necessary to perform scientifically sound laboratory work in the chemical sciences

Chemistry: Pre-Pharm.D. Option, A.S.

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
☐ CHEM 101 General Chemistry I	4
☐ BIOL 101 General Biology I	4
☐ _____ General Education Elective ¹	3–4
☐ _____ Health and Physical Education Elective I ²	1–3
	15–19

Spring Semester

☐ ENGL 102 English Composition II	3
☐ CHEM 102 General Chemistry II	4
☐ BIOL 102 General Biology II ³	4
☐ MATH 130 Calculus I	4
☐ _____ General Education Social Science Elective	3
	18

SECOND YEAR – Fall Semester

☐ CHEM 201 Organic Chemistry I	4
☐ PHYS 123 General Physics I	4
☐ BIOL 105 Anatomy & Physiology I ⁴	4
☐ BIOL 203 Microbiology	4
	16

Spring Semester

☐ CHEM 202 Organic Chemistry II	4
☐ PHYS 124 General Physics II ⁵	4
☐ BIOL 106 Anatomy & Physiology II ⁴	4
☐ _____ General Education Social Science <i>or</i> Humanities Elective	3
☐ _____ General Education Humanities Elective	3
	18

TOTAL MINIMUM CREDITS: 60

Program Notes

Students should contact the transfer advisor to determine appropriate transfer requirements to four-year colleges.

¹ Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take as their general education elective a three-credit course in one of the following areas: Sociology, Psychology, Arts, Music or History.

² Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take SPEH 101 Oral Communication in place of an HPER course.

³ Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take MATH 103 Statistics in place of BIOL 102 General Biology II.

⁴ Students planning to transfer to University of the Sciences in Philadelphia must take BIOL 105 Anatomy and Physiology I and BIOL 106 Anatomy and Physiology II equivalents (BS 310 and BS 311) at the University of the Sciences upon transfer and reverse transfer those courses back to RCSJ to earn the A.S. CHEM Pre-Pharm.D. option from RCSJ.

⁵ Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take ECON 100 Introduction to Economics in place of PHYS 124 General Physics II.

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