



[AS-CHM-PHA; 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 will 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

Program Contact

Dr. Christina Nase, Associate Professor,
Chemistry

cnase@rcsj.edu

Are you ready to get started at RCSJ?
Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/Enroll) and complete the interest form.

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

FIRST YEAR – Fall Semester

| | |
|--|-------|
| <input type="checkbox"/> ENG 101 English Composition I | 3 |
| <input type="checkbox"/> CHM 111 General Chemistry I | 4 |
| <input type="checkbox"/> BIO 101 General Biology I | 4 |
| <input type="checkbox"/> ___ General Education Elective ¹ | 3-4 |
| <input type="checkbox"/> HPE ___ Health and Physical Education Elective ² | 1-3 |
| | 15-18 |

Spring Semester

| | |
|--|----|
| <input type="checkbox"/> ENG 102 English Composition | 3 |
| <input type="checkbox"/> CHM 112 General Chemistry II | 4 |
| <input type="checkbox"/> BIO 102 General Biology II ³ | 4 |
| <input type="checkbox"/> MAT 108 Calculus I | 4 |
| <input type="checkbox"/> ___ Social Science General Education Elective | 3 |
| | 18 |

SECOND YEAR – Fall Semester

| | |
|--|----|
| <input type="checkbox"/> CHM 201 Organic Chemistry I | 4 |
| <input type="checkbox"/> PHY 103 General Physics I | 4 |
| <input type="checkbox"/> BIO 105 Anatomy & Physiology I ⁴ | 4 |
| <input type="checkbox"/> BIO 215 Microbiology | 4 |
| | 16 |

Spring Semester

| | |
|---|----|
| <input type="checkbox"/> CHM 202 Organic Chemistry II | 4 |
| <input type="checkbox"/> PHY 104 General Physics II ⁵ | 4 |
| <input type="checkbox"/> BIO 106 Anatomy and Physiology II ⁴ | 4 |
| <input type="checkbox"/> ___ Social Science or Humanities Elective | 3 |
| <input type="checkbox"/> ___ Humanities General Education Elective | 3 |
| | 18 |

TOTAL MINIMUM CREDITS: 67

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 SPE 101 Oral Communication in place of an HPE course.

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

⁴ Students planning to transfer to University of the Sciences in Philadelphia must take BIO 105 Anatomy and Physiology I and BIO 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. CHM Pre-Pharm.D. option from RCSJ.

⁵ Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take ECO 100 Introduction to Economics in place of PHY 104 General Physics II.