



[CHEM.PHARM.AS; CIP Code 40.0501]

### Associate in Science (A.S.) – Transfer

This option to our existing A.S. Chemistry program 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.

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

# Chemistry, A.S.

## Pre-Pharm. D. Option

### FIRST YEAR - Fall Semester

<input type="checkbox"/> BI 101 General Biology I	4
<input type="checkbox"/> CH 101 General Chemistry I (Prog El)	4
<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> General Education Elective	3-4
<input type="checkbox"/> Free Elective	1-3
	15-18

### Spring Semester

<input type="checkbox"/> BI 102 General Biology II	3
<input type="checkbox"/> CH 102 General Chemistry II (Prog El)	4
<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA 130 Calculus I	4
<input type="checkbox"/> General Education Social Science Elective	3
	14

### SECOND YEAR - Fall Semester

<input type="checkbox"/> BI 106 Anatomy & Physiology I	4
<input type="checkbox"/> BI 203 Microbiology	4
<input type="checkbox"/> CH 201 Organic Chemistry I (Prog El)	4
<input type="checkbox"/> PI 123 Fundamentals of Physics I	4
	16

### Spring Semester

<input type="checkbox"/> BI 107 Anatomy and Physiology II	4
<input type="checkbox"/> CH 202 Organic Chemistry II	4
<input type="checkbox"/> PI 124 Fundamentals of Physics II	4
<input type="checkbox"/> General Education Social Science Elective or General Education Humanities Elective	3
<input type="checkbox"/> General Education Humanities Elective	3
	18

**TOTAL MINIMUM CREDITS: 63**

#### Program Notes:

- (1) Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take as their general education elective a 3-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 SP 203 as a free elective.
- (3) Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take MA 205 in place of BI 102.
- (4) Students planning to transfer to University of the Sciences in Philadelphia must take BI 106 and BI 107 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 EC 201 in place of PI 124.