

Rowan College of South Jersey
CHEMISTRY – PRE-PHARM. D. Option
Associate in Science (A.S.) – Transfer
 Program Requirements

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. 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.

Required Core and Elective Courses

<u>Communications</u>	<u>Credits</u>
ENG 101 English Composition I	3
ENG 102 English Composition II	3
<u>Humanities</u>	
___ ___ Humanities Elective	3
<u>Social Science</u>	
___ ___ Social Science Elective	3
___ ___ Social Science or Humanities Elective	3
<u>HPE</u> ___ Health and Physical Education Elective	1-3
<u>Mathematics</u>	
MAT 108 Calculus I	4
<u>Science</u>	
BIO 101 General Biology I	4
BIO 102 General Biology II	4
BIO 105 Anatomy & Physiology I	4
BIO 106 Anatomy & Physiology II	4
BIO 215 Microbiology	4
CHM 111 General Chemistry I	4
CHM 112 General Chemistry II	4
CHM 201 Organic Chemistry I	4
CHM 202 Organic Chemistry II	4
PHY 103 General Physics I	4
PHY 104 General Physics II	4
<u>General Education Elective</u>	3-4
TOTAL MINIMUM CREDITS:	
	67
Fall 2019	ASC CHM PHA 400501

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Four Semester Sequence of Courses

FIRST YEAR - Fall Semester	Credits
____ ENG 101 English Composition I	3
____ CHM 111 General Chemistry I	4
____ BIO 101 General Biology I	4
____ _____ General Education Elective ⁽¹⁾	3-4
____ HPE _____ Health and Physical Education Elective ⁽²⁾	1-3
	15
Spring Semester	
____ ENG 102 English Composition	3
____ CHM 112 General Chemistry II	4
____ BIO 102 General Biology II ⁽³⁾	4
____ MAT 108 Calculus I	4
____ _____ Social Science Elective	3
	18
SECOND YEAR - Fall Semester	
____ CHM 201 Organic Chemistry I	4
____ PHY 103 General Physics I	4
____ BIO 105 Anatomy & Physiology I ⁽⁴⁾	4
____ BIO 215 Microbiology	4
	16
Spring Semester	
____ CHM 202 Organic Chemistry II	4
____ PHY 104 General Physics II ⁽⁵⁾	4
____ BIO 106 Anatomy & Physiology II ⁽⁴⁾	4
____ _____ Social Science or Humanities Elective	3
____ _____ Humanities Elective	3
	18
	<u>TOTAL MINIMUM CREDITS:</u> 67

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 SPE 101 in place of an HPE course.
- (3) Students planning to transfer to University of Maryland – Eastern Shore Pharmacy School must take MAT 103 in place of BIO 102.
- (4) Students planning to transfer to University of the Sciences in Philadelphia must take BIO 105 and 106 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 in place of PHY104.