

Gloucester County College
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:

- Understand and apply basic chemical principles to the study of pharmacy, pharmacology and related courses in the third year and beyond of a Pharm. D. program.
- Understand and apply basic biological and microbiological principles to the study of pharmacy, pharmacology and related courses in the third year and beyond of a Pharm. D. program.
- Develop and demonstrate the basic skill set required to do laboratory research in the pharmaceutical sciences.
- Understand and apply basic human anatomy and physiology to the further study of drug metabolism and interactions during the third year and beyond of a Pharm. D. program.

Required Core and Elective Courses

<u>Communications</u>	<u>Credits</u>
COM 101 English Composition I	3
COM 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
<u>TOTAL MINIMUM CREDITS:</u>	67

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Four Semester Sequence of Courses

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