

# Liberal Arts and Science: Pre-Pharmacy Option

# PPH.AS

| CODE                             | COURSE                                | CREDITS   | CODE                              | COURSE                                    | CREDITS   |
|----------------------------------|---------------------------------------|-----------|-----------------------------------|---|-----------|
| <b>First Year/First Semester</b> |                                       |           | <b>Second Year/First Semester</b> |   |           |
| ENG-101                          | English Composition I                 | 3         | BIO-212                           | Anatomy & Physiology II                   | 4         |
| BIO-111                          | Biology I - Science                   | 4         | CHM-221                           | Organic Chemistry I                       | 4         |
| CHM-111                          | Chemistry I - Science                 | 4         | PHY-101                           | Physics I <sup>1</sup> or                 |           |
| MTH-140                          | Calculus I                            | 4         | PHY-201                           | Physics III <sup>1</sup>                  | 4         |
|                                  |                                       | <b>15</b> | HIS-101                           | World Civilization I or                   |           |
|                                  |                                       |           | ENG-271                           | World Literature I                        | 3         |
| <b>Second Semester</b>           |                                       |           | HPE....                           | Health & Exercise Science Elective        | 1         |
| ENG-102                          | English Composition II                | 3         |                                   |   | <b>16</b> |
| BIO-112                          | Biology II - Science                  | 4         | <b>Second Semester</b>            |   |           |
| BIO-211                          | Anatomy & Physiology I                | 4         | CHM-222                           | Organic Chemistry II                      | 4         |
| CHM-112                          | Chemistry II - Science                | 4         | PHY-102                           | Physics II <sup>1</sup> or                |           |
| .....                            | Humanities General Education Elective | 3         | PHY-202                           | Physics IV <sup>1</sup>                   | 4         |
|                                  |                                       | <b>18</b> | PSY-101                           | Basic Psychology                          | 3         |
|                                  |                                       |           | .....                             | Social Science General Education Elective | 3         |
|                                  |                                       |           | HPE....                           | Health & Exercise Science Elective        | 1         |
|                                  |                                       |           |                                   |   | <b>15</b> |
|                                  |                                       |           |                                   |   | <b>64</b> |
|                                  |                                       |           | <b>Total Minimum Credits</b>      |   |           |

<sup>1</sup> Consult with Transfer Institution.

**PROGRAM DESCRIPTION**

This course of study is designed to provide a strong foundation in science for students who intend to pursue a degree in pharmacy.

**PROGRAM GOALS**

- To ensure transferability of course work to a degree program in pharmacy.
- To provide students with a foundation in general education.

**PROGRAM STUDENT LEARNING OUTCOMES**

At the end of the program, the graduate will be able to:

1. Analyze and synthesize data to form a conclusion.
2. Apply the basic concepts of chemistry, including the structure and function of molecules.
3. Explain how pharmaceutical agents affect human physiology.
4. Communicate scientific information in both written and oral formats.

**POST PHARMACY DEGREE  
EMPLOYMENT OPPORTUNITIES**

- Hospital pharmacy
- Pharmaceutical industry
- Retail pharmacy

**TRANSFER OPPORTUNITIES:**

Students in this program transfer to many institutions including:  
Temple University  
University of the Sciences  
Thomas Jefferson University

**CONTACT PERSON**

William T. Lavell  
(856) 227-7200, ext. 4478  
email: wlavell@camdencc.edu