

# Concord University

## Bachelor of Science – Chemistry (Pharmacy Option)

2017-2018 Catalog

Name: \_\_\_\_\_

120 hours minimum for graduation with a 2.00 average overall  
56 hours from a four-year institution

| Course  | Title  | CR  | GR | QP |
|---|--|-----|----|----|
| Written and Oral Communications (9 credit hours) Select one course from BGEN 205 or COMM 101  |  |     |    |    |
| ENGL 101  | Composition & Rhetoric I   | 3   |    |    |
| ENGL 102  | Composition & Rhetoric II  | 3   |    |    |
|   |  | 3   |    |    |
| Literature and Humanities (6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours. |  |     |    |    |
|   | <b>ENGL</b> 203, 204, *203A, *204A or *207A  | 3   |    |    |
|   | <b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 102, 210, 316, or 360   | 3   |    |    |
| Fine Arts– (3 credit hours) Select one (1) course from the following:   |  |     |    |    |
|   | <b>ART</b> 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, <b>MUS</b> 101, *451, *453A, or <b>THEA</b> 102                         | 3   |    |    |
| Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories.  |  |     |    |    |
|   | <b>Category 1 - Business and Professional Studies</b><br>BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161                  | 3   |    |    |
|   | <b>Category 2 - Geography</b><br>GEOG 101, 250 or 321  | 3   |    |    |
|   | <b>Category 3 - Political Science</b><br>POSC 101, 104, or 202   |     |    |    |
|   | <b>Category 4 - Psychology</b><br>PSY 101 or 200   |     |    |    |
|   | <b>Category 5 – Sociology</b><br>SOC 101, 201, or 301  |     |    |    |
| Natural Sciences (7-8 credit hours) Select one (1) course from two different categories.  |  |     |    |    |
|   | <b>Category 1-Biological Science</b><br>BIOL 101, 102 or 103   | 4   |    |    |
|   | <b>Category 2-Earth &amp; Space Science</b><br>GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105                                   | 3-4 |    |    |
|   | <b>Category 3-Physical Science</b><br>CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201  |     |    |    |
| Mathematics (3 credit hours) Select one (1) Mathematics course numbered 100 or higher.  |  |     |    |    |
|   |  | 3   |    |    |
| Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.   |  |     |    |    |
|   | <b>H ED</b> 120, 304, <b>P ED</b> 101M, 117, 118, or <b>RTM</b> 360  | 2   |    |    |
| Modern/Classical Language – (Optional 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.                         |  |     |    |    |
|   | May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement. |     |    |    |

| Chemistry-Pharmacy Option (2.00 GPA required) |   |    |    |  |
|---|---|----|----|--|
| CHEM 101                                      | General Chemistry I                                     | 3  |    |  |
| CHEM 111                                      | General Chemistry Lab I                                 | 1  |    |  |
| CHEM 102                                      | General Chemistry II                                    | 3  |    |  |
| CHEM 112                                      | General Chemistry Lab II                                | 1  |    |  |
| CHEM 331                                      | Organic Chemistry I                                     | 4  |    |  |
| CHEM 332                                      | Organic Chemistry II                                    | 4  |    |  |
| CHEM 341                                      | Biochemistry I  | 3  |    |  |
| CHEM 347                                      | Biochemistry Lab  | 1  |    |  |
| CHEM 351                                      | Analytical Chemistry                                    | 3  |    |  |
| CHEM 357                                      | Analytical Chemistry Lab                                | 2  |    |  |
| CHEM 450                                      | Pharmacy Internship (30 credit hours total)             | 15 | 15 |  |
| PHYS 101 or PHYS 201                          | Introductory Physics or University Physics w/Calculus 1 | 4  |    |  |
| PHYS 102 or PHYS 202                          | Intermediate Physics or University Physics w/Calculus 2 | 4  |    |  |
| BIOL 101                                      | General Biology I                                       | 4  |    |  |
| BIOL 102                                      | General Biology II                                      | 4  |    |  |
| BIOL 235                                      | Human Anatomy & Physiology I                            | 4  |    |  |
| BIOL 237                                      | Human Anatomy & Physiology II                           | 4  |    |  |
| BIOL 330                                      | Microbiology  | 4  |    |  |
| MATH 103                                      | College Algebra   | 3  |    |  |
| MATH 104                                      | College Trigonometry                                    | 3  |    |  |
| MATH 105                                      | Elementary Statistics                                   | 3  |    |  |
| MATH 250                                      | Calculus w/Analytic Geometry I                          | 4  |    |  |

MATH 103 and/or 104 may be waived for students establishing proficiency

**Note:** Not all pharmacy schools have exactly the same prerequisite requirements. In addition to the science courses listed above, some but not all schools require Speech, Microeconomics, Ethics, or other classes. Make sure to check on the current application requirements for the specific pharmacy schools to which you intend to apply.

**Note:** Fourth year pharmacy internship (CHEM 450) is off-campus and contingent upon admission to an accredited pharmacy program. Concord does not charge any tuition or fees during the fourth year.

### RESIDENCE CREDIT:

36 hours at Concord

16 of last 32 hours at Concord

Note: In some degree programs, this is prior to entering professional training.  
9 hours in Major, Teaching Fields

Revised 8/17/2017