## Fayetteville State University Four-Year Degree Plan 2/22/2018

Chemistry with a concentration in Pre-Pharmacy, BS

Catalog: 2017-2018

Plan Type: NC Community College Transfer-AS

**Last Update:** 

This Plan illustrates how students who begin as transfers from North Carolina community colleges can meet degree course requirements in four years. Some courses listed below may be taken in an alternate order. Consider prerequisites, prior credit, course availability, and student needs in developing the individual plan. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor.

| Year/Term Course/Requirement             | Cr Pre Req Note/Equivalent  | Year/Term Course/Requirement                    | Cr Pr | e Req Note/Equivalent |
|--|-----------------------------|---|-------|-----------------------|
| Year 1 Fall Community College            | 14                          | Year 1 Spring Community College                 | 17    |                       |
| ACA 122 - College Transfer Success       | 1 C 1.11 UNIV 110           | ENG 112 - Writing/Research in the Disc          | 3 C   | 2.11 ENGL 120         |
| ENG 111 - Writing and Inquiry            | 3 C 2.11 ENGL 110           | MAT 172 - Precalculus Trigonometry              | 4 C   | 3.22 MATH 130         |
| UGETC: Comm/Hum                          | 3 C 2.23 Humn Creative Arts | CHM 151 - General Chemistry I                   | 4 C   | 5.12 CHEM 141         |
| MAT 171 - Precalculus Algebra            | 4 C 3.22 MATH 129           | UGETC: Soc/Behav Sci - ECO 252*                 | 3 C   | 5.21 ECON 211         |
| UGETC: Soc/Behav Sci                     | 3 C 5.21 Social Sci         | GEN ED: Addl                                    | 3 C   | 8.2                   |
| Year 2 Fall Community College            | 15                          | Year 2 Spring Community College                 | 21    |                       |
| UGETC: Comm/Hum                          | 3 C 2.23 Humn Creative Arts | MAT 272 - Calculus II                           | 4 C   | 8.2 MATH 241          |
| CHM 152 - General Chemistry II           | 4 C 5.12 CHEM 161           | CHEM 200 ???                                    | 3 C   | 9.11                  |
| MAT 271 - Calculus I                     | 4 C 8.2 MATH 142            | CHEM 211 ???                                    | 3 C   | 9.11                  |
| BIO 111 - General Biology I              | 4 C 9.11 BIOL 150           | CHEM 212 ???                                    | 3 C   | 9.11                  |
|  |                             | BIO 265 - Cell Biology                          | 4 C   | 9.11 BIOL 200         |
|  |                             | PHY 252 - General Physics II                    | 4 C   | 9.11 PHYS 122         |
| Year 3 Fall Fayetteville State           | 17                          | Year 3 Spring Fayetteville State                | 17    |                       |
| CHEM 223 - Organic Chemistry I Lecture   | 3 Y 9.1                     | CHEM 225 - Organic Chemistry II                 | 4 Y   | 9.1                   |
| CHEM 224 - Organic Chemistry I Lab       | 1 Y 9.1                     | CHEM 226 - Organic Chemistry II Lab             | 1 Y   | 9.1                   |
| CHEM 311 - Instrumental Analysis Lecture | 3 Y 9.1                     | CHEM 315 - Physical Chemistry for Life Sciences | 3 Y   | 9.1                   |
| CHEM 311L - Instrumental Analysis Lab    | 2 Y 9.1                     | CHEM 399 - Pre-Pharmacy Internship              | 1 Y   | 9.1                   |
| PHYS 126 - College Physics II            | 3 Y 9.2                     | BIOL 330 - Microbiology & Immunology            | 3 Y   | 10                    |
| PHYS 126L - College Physics Lab II       | 1 Y 9.2                     | BIOL 330L - Microbiology & Immunology Lab       | 1 Y   | 10                    |
| ZOOL 210 - Anatomy and Physiology I      | 3 Y 10                      | ZOOL 230 - Anatomy and Physiology II            | 3 Y   | 10                    |
| ZOOL 210L - Anatomy and Physiology I Lab | 1 Y 10                      | ZOOL 230L - Anatomy and Physiology II Lab       | 1 Y   | 10                    |
| Year 4 Fall Fayetteville State           | 12                          | Year 4 Spring Fayetteville State                | 13    |                       |
| CHEM 426                                 | 3 C 9.1                     | CHEM 425  | 3 C   | 9.1                   |
| BICH 411 - Biochemistry I                | 3 Y 9.1                     | BICH 412 - Biochemistry II                      | 3 Y   | 9.1                   |
| CHEM 422 - Bioanalytical Chemistry       | 3 Y 9.1                     | BICH 421 - Biochemistry Laboratory              | 1 Y   | 9.1                   |
| STAT 202 - Basic Probability and Stats   | 3 Y 10                      | CHEM 499 - Chemistry Capstone                   | 3 Y   | 9.1                   |
|  |                             | PSYC 210 - General Psychology                   | 3 N   | 10                    |
| Degree Total:                            | 126                         |   |       |                       |

## Fayetteville State Four-Year Plan Chemistry w

## Chemistry with a concentration in Pre-Pharmacy, BS

## Requirements/Notes

- **Pre.** Prerequisite: Y (Yes) Course/Requirement has prerequisite(s). N (No) Course/Requirement has no prerequisite. C (Check) Some courses satisfying requirement have prerequisites and/or courses have non-prerequisite restrictions. Check Catalog for details.
- \* Recommended. For transfer courses, following recommendations will reduce or eliminate the need to take additional courses at FSU. For FSU courses, following recommendations will optimize the student's educational experience. If in doubt, consult an advisor.
- UGETC. Universal General Education Transfer Component course. Accepted as satisfying a general education requirement under the Comprehensive Articulation Agreement.
- **1.11.** Transfer Success. ACA 122.
- **2.11.** UGETC: English Comp. ENG 111 And ENG 112.
- 2.23. UGETC: Comm/Hum. COM 231 Or ART 111 Or ART 114 Or Art 115 Or ENG 231 Or ENG 232 Or ENG 241 Or ENG 242 Or MUS 110 Or MUS 112 Or PHI 215 Or PHI 240.
- **3.22.** UGETC: Math AS. MAT 171 Or MAT 172 Or MAT 263 Or MAT 271 Or MAT 272.
- **5.12.** UGETC: Natural Sci AS. AST 151 And AST 151A Or BIO 110 Or BIO 111 And BIO 112 Or CHM 151 And CHM 152 Or GEL 111 Or PHY 110 And PHY 110A Or PHY 151 And PHY 152 Or PHY 251 And PHY 252.
- 5.21. UGETC: Soc/Behav Sci. ECO 251 Or ECO 252 Or HIS 111 Or HIS 112 Or HIS 131 Or HIS 132 Or POL 120 Or PSY 150 Or SOC 210.
- **8.2.** GEN ED: Addl. Choose courses classified as general education under the Comprehensive Articulation Agreement. May include additional UGETC courses.
- 9.1. Chemistry Courses. BICH 411 And BICH 412 And BICH 421 And CHEM 200 And CHEM 211 And CHEM 212 And CHEM 223 And CHEM 224 And CHEM 225 And CHEM 226 And CHEM 311 And CHEM 311 CHEM 315 And CHEM 399 And CHEM 422 And CHEM 425 And CHEM 426 And CHEM 499.
- **9.11.** Pre-Major/Elective Major courses that can be taken at the community college.
- 9.2. Correlative. BIOL 150 And BIOL 150L And MATH 130 And MATH 142 And MATH 241 And PHYS 125 And PHYS 125L And PHYS 126 And PHYS 126L MATH 130 not required if MATH 131 has been taken to satisfy Reasoning Skills Quantitative Reasoning. MATH 131 may be taken in place of both MATH 129 and MATH 130...
- 10. Concentration. BIOL 200 And BIOL 200L And BIOL 330 And BIOL 330L And STAT 202 And PSYC 210 And ZOOL 210 And ZOOL 210L And ZOOL 230 And ZOOL 230L.