



**ARKANSAS STATE**  
UNIVERSITY

**Eight-Semester Degree Plan**  
**Bachelor of Arts**  
**Major in Chemistry**  
**Emphasis in Pre-pharmacy**  
**2017-2018**

| Year 1                       |   |     |        |                              |   |     |        |
|------------------------------|---|-----|--------|------------------------------|---|-----|--------|
| Fall Semester                |   |     |        | Spring Semester              |   |     |        |
| Course No.                   | Course Name                                       | Hrs | Gen Ed | Course No.                   | Course Name                                       | Hrs | Gen Ed |
| CHEM 1013                    | General Chemistry I                               | 3   | x      | CHEM 1023                    | General Chemistry II                              | 3   |        |
| CHEM 1011                    | Laboratory for General Chemistry I                | 1   | x      | CHEM 1021                    | Laboratory for General Chemistry II               | 1   |        |
| PHSC 1003                    | Making Connections in Chemistry and Physics (FYE) | 3   |        | ENG 1013                     | Composition II                                    | 3   | x      |
| ENG 1003                     | Composition I                                     | 3   | x      | BIO 2013                     | Biology of the Cell                               | 3   | x      |
| (Gen Ed)                     | (General Education Course)                        | 3   | x      | BIO 2011                     | Laboratory for Biology of the Cell                | 1   | x      |
| (Elective)                   | (Elective)  | 2   |        | BIO 1303                     | Biology of Animals                                | 3   |        |
|                              |   |     |        | BIO 1301                     | Laboratory for Biology of Animals                 | 1   |        |
| <b>Total Hours:</b>          |   | 15  |        | <b>Total Hours:</b>          |   | 15  |        |
| Year 2                       |   |     |        |                              |   |     |        |
| Fall Semester                |   |     |        | Spring Semester              |   |     |        |
| Course No.                   | Course Name                                       | Hrs | Gen Ed | Course No.                   | Course Name                                       | Hrs | Gen Ed |
| CHEM 3103                    | Organic Chemistry I                               | 3   |        | CHEM 3113                    | Organic Chemistry II                              | 3   |        |
| CHEM 3101                    | Laboratory for Organic Chemistry I                | 1   |        | CHEM 3111                    | Laboratory for Organic Chemistry II               | 1   |        |
| CHEM 2004                    | Descriptive Inorganic Chemistry                   | 4   |        | (Gen Ed)                     | (General Education Course)                        | 3   | x      |
| MATH 2204                    | Calculus I  | 4   | X      | (Gen Ed)                     | (General Education Course)                        | 3   | x      |
| (Gen Ed)                     | (General Education Course)                        | 3   | x      | (Gen Ed)                     | (General Education Course)                        | 3   | x      |
|                              |   |     |        | (Elective)                   | (Elective)  | 3   |        |
| <b>Total Hours:</b>          |   | 15  |        | <b>Total Hours:</b>          |   | 16  |        |
| Year 3                       |   |     |        |                              |   |     |        |
| Fall Semester                |   |     |        | Spring Semester              |   |     |        |
| Course No.                   | Course Name                                       | Hrs | Gen Ed | Course No.                   | Course Name                                       | Hrs | Gen Ed |
| PHYS 2034<br>or<br>PHYS 2054 | University Physics I<br>or<br>General Physics I   | 4   |        | PHYS 2044<br>or<br>PHYS 2064 | University Physics II<br>or<br>General Physics II | 4   |        |
| CHEM 4243                    | Biochemistry                                      | 3   |        | CHEM 3054                    | Quantitative Analysis                             | 4   |        |
| (Elective)                   | (Elective)  | 3   |        | (Elective)                   | (Elective)  | 3   |        |
| (Gen Ed)                     | (General Education Course)                        | 3   | x      | (Elective)                   | (Elective)  | 3   |        |
| (Elective)                   | (Elective)  | 3   |        |                              |   |     |        |
| <b>Total Hours:</b>          |   | 16  |        | <b>Total Hours:</b>          |   | 14  |        |

| Year 4                          |              |     |        |                            |                              |     |        |
|---------------------------------|--------------|-----|--------|----------------------------|------------------------------|-----|--------|
| Fall Semester                   |              |     |        | Spring Semester            |                              |     |        |
| Course No.                      | Course Name  | Hrs | Gen Ed | Course No.                 | Course Name                  | Hrs | Gen Ed |
| (Elective)                      | (Elective)   | 3   |        | CHEM 3154                  | Survey of Physical Chemistry | 4   |        |
| BIO 4104                        | Microbiology | 4   |        | (Elective)                 | (Elective)                   | 3   |        |
| (Elective)                      | (Elective)   | 8   |        | (Elective)                 | (Elective)                   | 7   |        |
|                                 |              |     |        |                            |                              |     |        |
|                                 |              |     |        |                            |                              |     |        |
|                                 |              |     |        |                            |                              |     |        |
| <b>Total Hours:</b>             |              | 15  |        | <b>Total Hours:</b>        |                              | 14  |        |
| <b>Total Upper-Level Hours:</b> |              |     |        | <b>Total Degree Hours:</b> |                              | 120 |        |

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper-level credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. **Failure to participate in required assessments may delay graduation.**

**Additional Graduation Requirements:**

- Completion of HIST 2763 or HIST 2773 or POSC 2103
- English Proficiency (Grade of C or better in ENG 1003 and ENG 1013)
- 2.00 GPA in Major
- 2.00 GPA at ASU
- 2.00 GPA Overall
- Maximum of 31 credit hours via correspondence/extension/examination//PLA/Military/CLEP (30 hrs) or similar means
- 45 JR/SR Hours after completing 30 hours
- 120 Total Credit Hours
- 18 of last 24 hours must be ASU-Jonesboro courses
- Minimum of 57 hours from 4-year institutions
- 32 Resident Hours if completing second degree