

IDN: \_\_\_\_\_ Printed Name: \_\_\_\_\_

**BS-Chemistry with Concentration in Biochemistry-Major Code: 3011**  
**Concentration Code: C030**

**For Advisor Use Only-Professional Intent:** \_\_\_\_\_

This degree is available in a guaranteed 8-semester plan for qualified freshmen. **See your advisor to declare your major and sign an official degree plan.**  
*The prerequisites and corequisites of the degree requirements are subject to change.*

MATH/ENGL prerequisite/co-requisite courses if student does not meet placement requirements:

**Prerequisites:** MATH 0304 \_\_\_\_\_ **Corequisites:** ENGL 0201 \_\_\_\_\_ ENGL 0202 \_\_\_\_\_ MATH 0301 \_\_\_\_\_ MATH 0201 \_\_\_\_\_

**FRESHMAN YEAR- FALL SEMESTER: 14 hours**

**Courses**

MATH 2804 Calculus I	4 Hours		Grade _____
CHEM 1403/1401 College Chemistry I/Lab	4 Hours		Grade _____
English composition requirement	3 Hours	Note 1	Grade _____
Fine Arts/Humanities/Social Sciences requirement	3 Hours	Note 1	Grade _____

**FRESHMAN YEAR- SPRING SEMESTER: 17 hours**

**Courses**

BIOL 2003 Introduction to Cell Biology	3 Hours	Note 2	Grade _____
CHEM 1413/1411 College Chemistry II/Lab	4 Hours	Note 2	Grade _____
MATH 2854 Calculus II	4 Hours	Note 2	Grade _____
English composition requirement	3 Hours	Note 1	Grade _____
Fine Arts/Humanities/Social Sciences requirement	3 Hours	Note 1	Grade _____

**SOPHOMORE YEAR- FALL SEMESTER: 15 hours**

**Courses**

CHEM 2703/2701 Organic Chemistry I/Lab	4 Hours	Note 2	Grade _____
PHYS 2803/2811 College Physics I/Lab			
or PHYS 2903/2911 University Physics I/Lab	4 Hours	Notes 2 & 4	Grade _____
World language requirement	4 Hours	Note 6	Grade _____
Fine Arts/Humanities/Social Sciences requirement	3 Hours	Note 1	Grade _____

**SOPHOMORE YEAR- SPRING SEMESTER: 15 hours**

**Courses**

CHEM 2713/2711 Organic Chemistry II/Lab	4 Hours	Note 2	Grade _____
PHYS 2823/2831 College Physics II/Lab			
or PHYS 2923/2931 University Physics II/Lab	4 Hours	Notes 2 & 4	Grade _____
Additional degree requirement	4 Hours	Note 3	Grade _____
Additional degree requirement	3 Hours	Note 3	Grade _____

**JUNIOR YEAR- FALL SEMESTER: 15 hours**

**Courses**

BIOL 3803/3801 Genetics/Lab	4 Hours	Note 2	Grade _____
CHEM 3403/3401 Biochemistry I/Lab	4 Hours	Note 2	Grade _____
CHEM 4203 Biophysical Chemistry			
or additional degree requirement	3 Hours	Notes 2, 3 & 5	Grade _____
Additional degree requirement	4 Hours	Note 3	Grade _____

**JUNIOR YEAR- SPRING SEMESTER: 16 hours**

**Courses**

CHEM 3423/3421 Biochemistry II/Lab	4 Hours	Note 2	Grade _____
HIST 3053 History of Modern Science	3 Hours		Grade _____
SPCH 1203 Introduction to Speech Communication	3 Hours		Grade _____

IDN: \_\_\_\_\_ Printed Name: \_\_\_\_\_

Fine Arts/Humanities/Social Sciences requirement	3 Hours	Note 1	Grade_____
Additional degree requirement	3 Hours	Note 3	Grade_____

**SENIOR YEAR- FALL SEMESTER: 14 hours****Courses**

BIOL 4803/4801 Cell and Molecular Biology/Lab	4 Hours	Note 2	Grade_____
CHEM 3604 Analytical Chemistry	4 Hours	Note 2	Grade_____
CHEM 4203 Biophysical Chemistry or additional degree requirement	3 Hours	Notes 2, 3 & 5	Grade_____
History/Government requirement	3 Hours	Note 1	Grade_____

**SENIOR YEAR- SPRING SEMESTER: 14 hours****Courses**

BIOL 4604 General Physiology	4 Hours	Note 2	Grade_____
CHEM 3202 Chemical Literature and Seminar	2 Hours	Note 2	Grade_____
CHEM 4903 Special Topics: Chemistry	3 Hours	Note 2	Grade_____
Additional degree requirement	5 Hours	Note 3	Grade_____

**Total Hours: 120 At least 40 hours must be upper-level****NOTES**

1. General Education Core Requirements, see Graduation Requirements section of this catalog.
2. These courses are used to determine major courses in residency, see Graduation Requirements section of this catalog.
3. Additional degree requirements, 22 hours. Consult with faculty advisor. Five hours of electives must be upper-level to ensure completion of 40 upper-level hours required for graduation.
4. Consult with faculty advisor. Sequence of PHYS 2903/2911 and 2923/2931 is encouraged but some professional programs may accept sequence of PHYS 2803/2811 and 2823/2831.
5. If planning to take CHEM 4504 as an elective, please note it is offered every other year. Consult with faculty advisor.
6. World language, four hours. Select any world language.

Prior to graduation students must demonstrate competency in financial literacy by satisfactory completion of FIN 1521 Personal Finance Applications (or an approved substitution) with a grade of C or better, or by a score of 70% or more on a challenge exam for FIN 1521.

Pre-professional students in chemistry with concentration in biochemistry who complete the above curriculum through their junior year and the 35-hour general education core requirements may receive a bachelor of science degree in chemistry with concentration in biochemistry from UAFS after successfully completing the first year of work in an accredited school of medicine, pharmacy, or veterinary medicine. Students must fulfill all other graduation requirements and complete a graduation application with the STEM advising coordinator before leaving UAFS to begin professional studies. Contact the registrar at [registrar@uafs.edu](mailto:registrar@uafs.edu) for more information.

**Transfer Course Information**

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment of the application of credits for the admissions and degree requirements. Courses transferability is not guaranteed for courses listed in ACTS as "No Comparable Courses." ACTS-Arkansas Course Transfer System <http://acts.adhe.edu> -select Course Transfer. See Acceptance of Transfer Credits section of the current academic catalog for a complete list of transfer provisions.

**Student Degree Program Requirements**

A student's degree program requirements are those specified in the catalog in effect at the time of declaration of program major. If not on the Guaranteed 8-semester degree plan, students may choose to meet the program requirements specified in the catalog for a later year from when they began their program of study. Students must meet the above program requirements and the graduation requirements as indicated by institutional and college policy. The program can be changed only with the approval of the official advisor.

If original courses are eliminated, students may be required to meet new curriculum requirements in the degree program. If students are not enrolled for two or more consecutive terms (excluding summer terms), they must re-enter under the program requirements of the current catalog. Students are responsible for understanding program requirements and changes. Guaranteed 8-Semester Degree Completion Program Pursuant to Act 1014 of 2005, qualified first-time freshmen with a declared major may elect to participate in the guaranteed 8-semester degree completion program. Students must follow the above degree plan and meet all requirements as outlined in the Guaranteed 8-semester Degree Completion Program contract. The contract and this degree plan must be signed and filed with the advisor before the first day of classes for the student's first term of attendance. The official copy of the contract and degree plan are filed in the Records Office.

Approved by Dr. Georgia Hale, March 1, 2022-Catalog Year 2022-2023. This document is not official until signed and dated by both the student and an authorized university representative.

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_