

**Fulbright College Eight Semester Degree Completion Program
Bachelor of Science in Chemistry - Biochemistry 2008**

Fall Semester 1	Hours	Spring Semester 1	Hours
ENGL 1013 Composition I	3	ENGL 1023 Composition II	3
MATH 1213 Plane Trig. or MATH 1285 PreCalculus or †MATH 2554 Calculus I	3/4/5	†MATH 2554 Calculus I or †MATH 2564 Calculus II	4
CHEM 1213/1211L Chem for Majors I or CHEM 1103/1101L University Chem I	4	CHEM 1223/1221L Chem for Majors II or CHEM 1123/1121L University Chem II	4
Core from areas a, b, c or e (as needed)	3	Core from areas a, b, c or e (as needed)	3
Core from areas a, b, c or e (as needed) if not taking MATH 1285	3	General Elective	3
Total Hours	15-17	Total Hours	17
Fall Semester 2	Hours	Spring Semester 2	Hours
†MATH 2564 Calculus II (if needed) or Core from areas a, b, c or e(as needed)	4/3	†PHYS 2033/2031L College Physics II or †PHYS 2074/2070L University Physics II*	4
†PHYS 2013/2011L College Physics I or †PHYS 2054/2050L University Physics I*	4	‡CHEM 3713/3712L Organic Chemistry II	5
‡CHEM 3703/3702L Organic Chemistry I for majors	5	BIOL 1543/1541L Principles of Biology	4
Core from areas a, b, c or e(as needed)	3	‡CHEM 2262 Analytical Chemistry Lecture	2
Total Hours	15/16	Total Hours	15
Fall Semester 3	Hours	Spring Semester 3	Hours
‡CHEM 3453/3451L Elements of Physical Chemistry	4	†Core from area f (if needed) or Core from areas a, b, c or e (as needed)	3
†CHEM 2272 Analytical Chemistry Laboratory	2	‡CHEM 4213/4211L Instrumental Analysis or ‡CHEM 4123 Adv. Inorganic Chem. I	4/3
†BIOL 2533/2531L Cell Biology	4	†BIOL 2013/2011L General Microbiology	4
†Core from area f (if needed) or Core from areas a, b, c or e (as needed)	3	General Elective	3
Core from areas a, b, c or e (as needed)	3	Core from areas a, b, c or e (as needed)	3
Total Hours	16	Total Hours	16/17
Fall Semester 4	Hours	Spring Semester 4	Hours
‡CHEM 4813H Biochemistry I	3	‡CHEM 4843H Biochemistry II	3
†BIOL 2323 General Genetics or ‡BIOL 4233 Microbial Genetics	3	‡CHEM 4853 Biochemical Techniques	3
Core from areas a, b, c or e (as needed)	3	Core from areas a, b, c or e (as needed)	3
Core from areas a, b, c or e (as needed)	3	General Elective	3
Core from areas a, b, c or e (as needed)	3	General Elective	3
Total Hours	15	General Elective (at least two hours if needed to complete 124 hour requirement)	2
		Total Hours	15-17

Core areas must be completed as outlined in Catalog of Studies or in the "Additional Fulbright College Core Requirement Areas" table on the reverse side.

Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

*Note: Calculus Based University Physics, PHYS 2054 (pre- or corequisite MATH 2554) and PHYS 2074 (pre- or corequisite MATH 2564), is a better choice for students interested in graduate school.

This program meets the minimum requirements for certification by the American Chemical Society if CHEM 3813 (or CHEM 5813/5843) is included.

† Meets 40-hour advanced credit hour requirement. See 3 on Graduation Requirements Checklist or see the Catalog of Studies.

‡ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See 2b on Graduation Requirements Checklist or see the Catalog of Studies.

Additional Fulbright College BS Core Requirement Areas *(Pre-requisite requirements in italics)*

Core Area	Hours	Courses
a. US History/American National Government and Western Civilization	9	<p>U.S. History/American National Government- 3 hours from: HIST 2003 History of the American People to 1877 or HIST 2013 History of the American People from 1877 or PLSC 2003 American National Government</p> <p>Western Civilization – 6 hours from: HIST 1003 Western Civilization I and HIST 1013 Western Civilization II OR HIST 1113 World Civilizations I and HIST 1123 World Civilizations II</p>
b. Foreign Language	Up to 9 hours (depending on placement)	<p>Completion through the Intermediate I (2003) level in a single language (Includes course numbers 1003*, 1013, 2003) *1003 is non-degree credit unless student completed two years in a single foreign language in high school and takes 1003 in a different language. Students under this plan must begin with a degree-credit course in foreign language.</p>
c. Fine Arts/ World Literature/Philosophy	9 hours total selected from at least 2 different areas	<p>Fine Arts: ARCH 1003 Architecture Lecture or LARC 1003 Landscape Architecture ARHS 1003 Art History or ARTS 1003 Art Studio COMM 1003 Film Lecture DANC 1003 Movement and Dance DRAM 1003 Theater Lecture HUMN 1003 Introduction to the Arts and Aesthetics MLIT 1003 Music Lecture</p> <p>World Literature: WLIT 1113 World Literature I WLIT 1123 World Literature II (<i>WLIT 1113</i>) OR a) a foreign language literature course b) any other WLIT course</p> <p>Philosophy: PHIL 2003 Introduction to Philosophy PHIL 2103 Introduction to Ethics PHIL 2203 Introduction to Logic</p>
d. Natural Sciences	Determined by the department of the major	
e. Social Sciences	3	<p>ANTH 1023 Introduction to Cultural Anthropology ECON 2013 Principles of Macroeconomics (<i>MATH 1203</i>) or ECON 2143 Basic Economics GEOG 2003 World Regional Geography PSYC 2003 General Psychology SOCI 2013 General Sociology</p>
f. Advanced Composition	3 hours - Exemption may be granted by either: a) grades of "A" or "B" in ENGL 1013 and "A" in ENGL 1023 taken at UA or b) passing the Advanced Composition Exam*	<p>ENGL 2003 Advanced Composition or ENGL 2013 Essay Writing *(Students must satisfy the ENGL 1013 and 1023 requirement and complete 30 credit hours before taking the Advanced Composition Exam. The exam must be taken before the student has completed 96 credit hours. Students who do not pass the Advanced Composition Exam must take ENGL 2003.)</p>