



UteachADVISING GUIDE

Bachelor of Arts (BA) in Chemistry /Grades 7-12 Chemistry Licensure

University Core Requirements

Please see your Fulbright adviser for an official degree plan.

ENGLISH COMPOSITION (2 courses • 6 hours)

- ENGL 1013 Composition I
- ENGL 1023 Composition II

U.S. HISTORY (1 course-3 hours)

- HIST 2003 History of the American People to 1877
- HIST 2013 History of the American People 1877 to Present
- PLSC 2003 American National Government

Note: U.S. History & Government courses cannot be used more than once within the University Core.

FINE ARTS (1 course • 3 hours)

- ARCH 1003 Architecture Lecture
- ARHS 1003 Art Lecture
- COMM 1003 Film Lecture
- DANC 1003 Movement and Dance
- LARC 1003 The American Landscape
- MLIT 1003 Music Lecture
- MLIT 1013 Music Lecture for Music Majors
- THTR 1003 Theatre Appreciation
- THTR 1013 Musical Theatre Appreciation

HUMANITIES (1 course • 3 hours)

- AAST 2023 The African American Experience
- ARCH 1013 Diversity and Design
- CLST 1003 Intro to Classical Studies: Greece
- CLST 1013 Intro to Classical Studies: Rome
- COMM 1233 Media, Community, and Citizenship
- ENGL 1213 Intro to Literature
- GNST 2003 Intro to Gender Studies
- HUMN 1124H* Honors Eq. of Cultures, 500-1600
- HUMN 2124H* Honors 20th Century Global Culture
- MUSY 2003 Music in World Cultures
- PHIL 2003 Intro to Philosophy
- PHIL 2103 Intro to Ethics
- PHIL 2203 Logic
- PHIL 3103 Ethics and the Professions
- WLIT 1113 World Literature I
- WLIT 1123 World Literature II
- World language at Intermediate I (2003) level

- UNIV 1001:** University Perspectives
(Freshmen must complete during first year)

SOCIAL SCIENCES (3 courses from at least 2 fields • 9 hours)

- AGECE 1103 Principles of Agricultural Microeconomics
- AGECE 2103 Principles of Agricultural Macroeconomics
- ANTH 1023 Intro to Cultural Anthropology
- COMM 1023 Communication in a Diverse World
- ECON 2013 Principles of Macroeconomics
- ECON 2023 Principles of Microeconomics
- ECON 2143 Basic Economics: Theory and Practice
- GEOS 1123 Human Geography
- GEOS 2003 World Regional Geography
- HESC 1403 Life Span Development
- HESC 2413 Family Relations
- HIST 1113 Institutions and Ideas of World Civilizations I
- HIST 1123 Institutions and Ideas of World Civilizations II
- HIST 2003 History of the American People to 1877
- HIST 2013 History of the American People 1877 to Present
- HUMN 1114H* Honors Roots of Culture to 500 C.E.
- HUMN 2114H* Honors Birth of Modern Culture, 1600-1900
- PLSC 2003 American National Government
- PLSC 2013 Intro to Comparative Politics
- PLSC 2203 State and Local Government
- PSYC 2003 General Psychology
- RESM 2853 Leisure and Society
- RSOC 2603 Rural Sociology
- SOCI 2013 General Sociology
- SOCI 2033 Social Problems

UAteach ADVISING GUIDE and CHECKLIST
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Major Requirements

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Select one Option (A or B) from Below:

Option A (4 courses – 15-15 hrs.)

MATH 2043 Survey of Calculus

or

MATH 2554 Calculus I

PHYS 2013/2011L College Physics I/Lab

PHYS 2033/2031L College Physics II

CHEM 3453/3451 Elements of Physical Chemistry

-or-

Option B (5 courses – 22 hours)

MATH 2564 Calculus II

PHYS 2054 University Physics I

PHYS 2074 University Physics II

CHEM 3504 Physical Chemistry I

CHEM 3514/3512L Physical Chemistry II

UAteach Course Requirements (26 hours)

ARSC 1201 Step 1: Inquiry Approaches to Teaching

ARSC 1221 Step 2: Inquiry Based Lesson Design

STEM 2103 Knowing and Learning

STEM 2203 Classroom Interactions

CHEM 3273 Research Methods

STEM 4333 Perspectives on Science

STEM 3303 Project Based Instruction

STEM 4409 Teaching Internship

Chemistry Core (5 courses - 20-22 hours)

CHEM 1213/1211L Chemistry for Majors I/Lab

CHEM 1223/1221L Chemistry for Majors II/Lab

or

CHEM 1103/1101L University Chemistry I

CHEM 1123/1121L University chemistry II

CHEM 2263/2261L Analytical Chemistry/Lab

CHEM 3603/3601L Organic Chemistry I/Lab

CHEM 3613/3611L Organic Chemistry I/Lab

or

CHEM 3703/3702L Organic Chemistry for Majors I

CHEM 3713/3712L Organic Chemistry for Majors II

Chemistry Electives 3000 or higher (2 courses – 6 hours)

CHEM

CHEM 3273 Research Methods

Notes

Chemistry Writing Requirement- Satisfied by formal research/analytical reports in CHEM 3453/L Physical Chemistry.

Research Methods (CHEM 3273)- Meets both major and minor requirements

World Language Requirement- Students who complete UAteach degree plan are exempt from the world language requirement

Sample Course Sequence

Please see your Fulbright adviser for an official degree plan.

Fall Semesters		Hrs.	Spring Semesters		Hrs
<i>Freshman Year</i> (total of 31 credit hours)					
ARSC 1201	Step I: Inquiry Approaches to Teaching	1	ARSC 1221	Step II: Inquiry Based Lesson Design	1
CHEM 1103/L	University Chemistry I	4	CHEM 1123/L	University Chemistry II	4
MATH 1203	College Algebra		MATH 2554	Calculus I (opt. A)	4
ENGL 1013	Composition I	3	ENGL 1023	Composition II	3
FA/PHIL/HIST/SS	Required Core Elective	3	FA/PHIL/HIST/SS	Required Core Elective	3
UNIV 1001	University Perspectives	1	MATH 2043	Survey of Calculus I (or Cal. I)	3
	TOTAL	15		TOTAL	15
<i>Sophomore Year</i> (total of 31 credit hours)					
STEM 2103	Knowing and Learning	3	STEM 2203	Classroom Interactions	3
FA/PHIL/HIST/SS	Required Core Elective	3	PHYS 2033/L	College Physics II (opt. A)	4
CHEM 3603/L	Organic Chemistry I/Lab	4	CHEM 3613/L	Organic Chemistry II/Lab	4
PHYS 2013/L	College Physics I (opt. A)	4	FA/PHIL/HIST/SS	Required Core Elective	3
Free Elective		3			
	TOTAL	17		TOTAL	14
<i>Junior Year</i> (total of 33-34 credit hours)					
CHEM 3453/L	Elements of Physical Chemistry I (opt. A)	4	CHEM 3273	Research Methods	3
CHEM 3813	Introduction to Biochemistry (or other Chem. 3000+ elective)	3	STEM 4333	Perspectives on Math and Science	3
FA/PHIL/HIST/SS	Required Core Elective	3	FA/PHIL/HIST/SS	Required Core Elective	3
Free Elective	General Elective	3	CHEM 4853	Biochemical Techniques	3
Free Elective	General Elective	3	Free Elective	General Elective	3
	TOTAL	16		TOTAL	15
<i>Senior Year</i> (total of 26 credit hours)					
STEM 3303	Project-Based Instruction	3	STEM 4409	Teaching Internship	9
3000+ Elective	3000+	3	Free Elective	General Elective	3
3000+ Elective	3000+	3			
CHEM 2263/L	Analytical Chemistry/Lab	4			
Free Elective		3			
	TOTAL	16		TOTAL	12
Total hours for degree: 120					

Notes: (a) Biology minor requires an additional 15 hours of biology coursework (see required courses); (b) Physics minor requires 7 additional hours of 3000+ physics coursework.

Key:

University Core Classes

UAteach Courses

24-hour Rule