

**Bachelor of Arts in Chemistry with Teacher Certification**  
**Certification: Secondary (8-12) Chemistry or Physical Science**

**College of Science - UTeach Arlington**  
**The University of Texas at Arlington**

Name: \_\_\_\_\_ ID: 1000 \_\_\_\_\_

Prepared by: Erin Gonzales \_\_\_\_\_ Date: \_\_\_\_\_

Expected date of graduation: \_\_\_\_\_

Catalog: 2011-2012 \_\_\_\_\_

**CORE CURRICULUM**

**English Composition** **Earned Need**

ENGL 1301	Critical Thinking, Reading, and Writing I		3
ENGL 1302	Critical Thinking, Reading, and Writing II		3

**Literature** (English or modern/classical language, 2000 level +)

			3
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**Liberal Arts**

PHIL 2314	Perspectives on Science and Math (UTeach)		3
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**US History** (Texas History, 3363/64, may substitute for one US History)

HIST 1311	History of the United States		3
HIST 1312	History of the United States		3

**Political Science**

POLS 2311	Government of the United States		3
POLS 2312	State and Local Government		3

**Mathematics**

MATH 1426	Calculus I		4
MATH 2425	Calculus II		4

**Social/Cultural Studies** (3 hours from approved list)

			3
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**Fine Arts** (3 hours from approved list)

			3
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**Natural Science**

8 hours, fulfilled by the major

**CORE HOURS (38)** **0 38**

**OTHER REQUIRED COURSEWORK**

**Biology** **Earned Need**

BIOL 1441	Cell and Molecular Biology		4
BIOL 1442	Structure and Function of Organisms		4

**Physics**

PHYS 1443	General Technical Physics I		4
PHYS 1444	General Technical Physics II		4
PHYS 2315	Introductory Astrophysics		3
PHYS 3313	Introduction to Modern Physics		3
PHYS 3445	Optics		4
PHYS 3455	Electronics		4

**OTHER REQUIRED HOURS (30)** **0 30**

**CHEMISTRY**

**Earned Need**

CHEM 1441	General Chemistry I		4
CHEM 1442	General Chemistry II		4
CHEM 2321	Organic Chemistry I		3
CHEM 2181	Organic Chemistry I Laboratory		1
CHEM 2322	Organic Chemistry II		3
CHEM 2182	Organic Chemistry II Laboratory		1
CHEM 2335	Quantitative Chemistry		3
CHEM 2285	Quantitative Chemistry Laboratory		2
CHEM 3315	Introduction to Biophysical Chemistry		3
CHEM 3175	Biophysical Chemistry Laboratory		1
CHEM 4311	Biochemistry I		3
CHEM 4392	Research Methods (UTeach)		3

**Choose one from:**

CHEM 3317	Inorganic Chemistry		3
CHEM 4318	Inorganic Chemistry		

**CHEMISTRY HOURS (34)** **0 34**

**UTEACH ARLINGTON**

**Earned Need**

SCIE 1101	STEP 1: Inquiry Approaches to Teaching		1
SCIE 1102	STEP 2: Inquiry-based Lesson Design		1
EDUC 4331	Knowing and Learning in Math & Science		3
EDUC 4332	Classroom Interactions		3
EDUC 4333	Multiple Teaching Pract. in Math & Science		3
SCIE 4607	Student Teaching		6
SCIE 4107	Student Teaching Seminar		1

The UTeach program also includes two courses which are used to fulfill other degree requirements: PHIL 2314 and CHEM 4392.

**UTEACH HOURS (18)** **0 18**

**TOTAL DEGREE HOURS (120)** **0 120**

*UTeach Arlington degree plans are still in the approval process.*