

## Program Completion Plan (Eight Semester Plan)

**Department:** \_\_\_\_\_ Chemistry \_\_\_\_\_      **Degree:** \_\_\_\_\_ BS \_\_\_\_\_  
**Program/Major:** \_\_\_\_\_ Chemistry \_\_\_\_\_  
**Track/Emphasis:** \_\_\_\_\_ BS, Major in Chemistry \_\_\_\_\_  
**Does this program require a minor? (Yes/No)** \_\_\_\_\_ Yes (STEMTeach) \_\_\_\_\_

**Important program information in the online *Undergraduate Bulletin*:**

**UCA Core Requirements:**

**Degree Requirements:**

**Program Description:**

**Course Descriptions:**

This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.

### Year 1

#### Fall – Semester 1 (credit hours: 15)

SUBJ	NUM	TITLE	SCH
CHEM	1450	College Chemistry I	4
WR TG	1310	Introduction to College Writing	3
MATH	1496	Calculus I	4
EDUC	1100	STEP 1: Inquiry Approaches to Teaching	1
		UCA Core Course <sup>1</sup>	3

#### Spring – Semester 2 (credit hours: 15)

SUBJ	NUM	TITLE	SCH
CHEM	1451	College Chemistry II	4
WR TG	1320	Academic Writing and Research	3
MATH	1497	Calculus II	4
EDUC	1101	STEP 2: Inquiry-Based Lesson Design	1
		UCA Core Course <sup>1</sup>	3

### Year 2

#### Fall – Semester 3 (credit hours: 18)

SUBJ	NUM	TITLE	SCH
CHEM	2401	Organic Chemistry I	4
PHYS	1441	University Physics I	4
MATH	2471	Calculus III	4
EDUC	1301	Knowing and Learning	3
		UCA Core Course <sup>1</sup>	3

**Spring – Semester 4 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH
CHEM	3411	Organic Chemistry II	4
PHYS	1442	University Physics II	4
CHEM	3211	Organic Spectroscopy	2
EDUC	2301	Classroom Interactions	3
		UCA Core Course <sup>1</sup>	3

**Year 3****Fall – Semester 5 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH
CHEM	3520	Quantitative Analysis	5
CHEM	4450	Physical Chemistry I	4
		UCA Core Course <sup>1</sup>	3
		UCA Core Course <sup>1</sup>	3

**Spring – Semester 6 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH
CHEM	4460	Physical Chemistry II	4
BIOL	1440	Biology	4
EDUC	3310	Research Methods	3
CHEM	4112	Seminar	1
		UCA Core Course <sup>1</sup>	3

**Year 4****Fall – Semester 7 (Credit hours: 14)**

SUBJ	NUM	TITLE	SCH
CHEM	3360	Intermediate Inorganic	3
CHEM	4320	Biochemistry I	3
EDUC	3300	Project Based Inquiry	3
		General Elective	3
		General Elective	2

**Spring – Semester 8 (Credit hours: 12)**

SUBJ	NUM	TITLE	SCH
STEM	3305	Perspectives on Math and Science	3
EDUC	4305	Apprentice Teaching Seminar	3
EDUC	4600	Apprentice Teaching	6

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SIGNED – DEPARTMENT CHAIR

DATE

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SIGNED – COLLEGE DEAN

DATE

**To be completed by the advisor when an Eight-Semester Plan is accepted by the student:**

**If applicable, has student selected a minor? Type “x” as appropriate. \_\_\_\_\_ No \_\_\_\_\_ Yes**

**If “yes,” specify: \_\_\_\_\_**

**Notes:**

**Notes**

<sup>1</sup>See appropriate choices, alternative, or substitutions under “UCA Core” in the *Undergraduate Bulletin*. During the first year, a student must complete a UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the UCA Core.