

## Program Completion Plan (Eight Semester Plan)

Department: \_\_\_\_\_ Chemistry \_\_\_\_\_ Degree: \_\_\_\_\_ BS \_\_\_\_\_  
 Program/Major: \_\_\_\_\_ Chemistry \_\_\_\_\_  
 Track/Emphasis: \_\_\_\_\_ Non-ACS \_\_\_\_\_  
 Does this program require a minor? (Yes/No) \_\_\_\_\_ Yes \_\_\_\_\_

Important program information in the online *Undergraduate Bulletin*:

UCA Core Requirements: <http://uca.edu/ubulletin2013/general-policies-information/uca-core/>  
 Degree Requirements: <http://uca.edu/ubulletin2013/general-policies-information/degree-requirements/>  
 Program Description: <http://uca.edu/ubulletin2013/colleges-departments-programs/college-of-natural-sciences-and-mathematics/departments-of-chemistry/>  
 Course Descriptions: <http://uca.edu/ubulletin2013/courses/>

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

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a [core link](http://uca.edu/go/ubulletin-ldcore/) (<http://uca.edu/go/ubulletin-ldcore/>) takes the user to the *Undergraduate Bulletin's* UCA Core page, where UCA Core options and ACTS course numbers are listed in full; an [acts link](http://uca.edu/go/acts/) takes the user to the *Undergraduate Bulletin's* ACTS page (<http://uca.edu/go/acts/>) for additional information and a full UCA-ACTS crosswalk.

### Year 1

#### Fall – Semester 1 (credit hours: 17)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	1450	College Chemistry I	4	<a href="#">CHEM1414</a>
WRTG	1310	Introduction to College Writing	3	<a href="#">ENGL1013</a>
MATH	1496	Calculus I	4	<a href="#">MATH2405</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>

#### Spring – Semester 2 (credit hours: 14)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	1451	College Chemistry II	4	<a href="#">CHEM1424</a>
WRTG	1320	Academic Writing and Research	3	<a href="#">ENGL1023</a>
MATH	1497	Calculus II	4	<a href="#">MATH2505</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>

**Year 2****Fall – Semester 3 (credit hours: 18)**

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	2401	Organic Chemistry I	4	
PHYS	1441	University Physics 1	4	<a href="#">PHYS2034</a>
MATH	2471	Calculus III	4	<a href="#">MATH2603</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>

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

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3411	Organic Chemistry II	4	
PHYS	1442	University Physics 2	4	<a href="#">PHYS2044</a>
CHEM	3211	Organic Spectroscopy	2	
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>
		UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>

**Year 3****Fall – Semester 5 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3520	Quantitative Analysis	5	
CHEM	4450	Physical Chemistry I	4	
BIOL	1440	Principles of Biology I	4	<a href="#">BIOL1014</a>
		Upper Division General Elective	3	

**Spring – Semester 6 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	4460	Physical Chemistry II	4	
CHEM	4320	Biochemistry I	3	
		Upper Division General Elective	3	
		Minor Elective <sup>2</sup>	3	
		Minor Elective	3	

**Year 4****Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3360	Intermediate Inorganic	3	
		Minor Elective	3	
		Minor Elective	3	
		Upper-Division Minor Elective	3	
		General Elective	3	

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

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	4112	Seminar	1	
		Upper-Division General Elective	2	
		General Elective	2	
		Upper-Division Minor Elective	3	

\_\_\_\_\_  
SIGNED – DEPARTMENT CHAIR\_\_\_\_\_  
DATE\_\_\_\_\_  
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, alternatives, 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.

<sup>2</sup> This Program Completion Plan includes 18 credit hours in the Minor field of study. Minor requirements range from 15 to 31 credit hours. Depending on the minor selected, the student will need to adjust the number of general elective and minor elective credit hours in this PCP.