

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/ubulletin2014/general-policies-information/uca-core/>
Degree Requirements: <http://uca.edu/ubulletin2014/general-policies-information/degree-requirements/>
Program Description: <http://uca.edu/ubulletin2014/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-chemistry/>
Course Descriptions: <http://uca.edu/ubulletin2014/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/ubulletin2014-ldcore/) (<http://uca.edu/go/ubulletin2014-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	CHEM1414
WR TG	1310	Introduction to College Writing	3	ENGL1013
MATH	1496	Calculus I	4	MATH2405
		UCA Core Course ¹	3	core link
		UCA Core Course ¹	3	core link

Spring – Semester 2 (credit hours: 14)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	1451	College Chemistry II	4	CHEM1424
WR TG ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Other approved alternative	3	ENGL1023 ENGL1023
MATH	1497	Calculus II	4	MATH2505
		UCA Core Course ¹	3	core link

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	PHYS2034
MATH	2471	Calculus III	4	MATH2603
		UCA Core Course ¹	3	core link
		UCA Core Course ¹	3	core link

Spring – Semester 4 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3411	Organic Chemistry II	4	
PHYS	1442	University Physics 2	4	PHYS2044
CHEM	3211	Organic Spectroscopy	2	
		UCA Core Course ¹	3	core link
		UCA Core Course ¹	3	core link

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	BIOL1014
		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 ²	3	
		Minor Elective ²	3	

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

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	3360	Intermediate Inorganic	3	
		Minor Elective ²	3	
		Minor Elective ²	3	
		Upper-Division Minor Elective ²	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 ²	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

¹ See appropriate choices, alternatives, or substitutions under “UCA Core” in the *Undergraduate Bulletin*. Prior to completion of 30 semester hours, 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.

² 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.