

Model Plan of Study

ACS Certified BS in Chemistry: Biochemistry Track

Department: Chemistry Degree: BS
 Program/Major: Chemistry
 Track/Emphasis: ACS Certified: Biochemistry
 Does this program require a minor? (Yes/No) No

Important information in the *Undergraduate Bulletin*:

General Education Requirements: <http://www.uca.edu/ubulletin/02/207.html>
 Degree Requirements: <http://www.uca.edu/ubulletin/02/208.html>
 Program Requirements: <http://www.uca.edu/ubulletin/03/30603.html>

This degree program requires a total of **124** semester credit hours, including at least **40** upper-division credit hours.

Year 1				Year 2			
Fall (Semester 1)		Spring (Semester 2)		Fall (Semester 3)		Spring (Semester 4)	
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CHEM 1450	4	CHEM 1451	4	CHEM 2401	4	CHEM 3411	4
BIOL 1440	4	BIOL 1441	4	PHYS 1441	4	CHEM 3211	2
MATH 1591	5	MATH 1592	5	MATH 2371	3	PHYS 1442	4
WRTG 1310	3	WRTG 1320	3	GenEd ¹	3	GenEd ¹	3
				GenEd ¹	3	GenEd ¹	3
Total credits	16	Total credits	16	Total credits	17	Total credits	16

Year 3				Year 4			
Fall (Semester 5)		Spring (Semester 6)		Fall (Semester 7)		Spring (Semester 8)	
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CHEM 3520	5	CHEM 4460	4	CHEM 4121	1	CHEM 4112	1
CHEM 4450	4	CHEM 4320	3	BIOL 3402	4	CHEM 4335	3
GenEd ¹	3	BIOL 2490	4	UD Inorganic CHEM Elective or UD General Elective ²	3	UD Inorganic CHEM Elective or UD General Elective ²	3
GenEd ¹	3	GenEd ¹	3	CHEM Research ²	1	BIOL 3420	4
				GenEd ¹	3	CHEM Research ²	1
				GenEd ¹	3	GenEd ¹	3
Total credits	15	Total credits	14	Total credits	15	Total credits	15

- Select approved courses from the following categories of the University's General Education Program: Health Studies (1 course), Oral Communication (1 course), American History and Government (1 course), Behavioral and Social Sciences (2 courses), Fine Arts (1 course), Humanities (1 course), and World Cultural Traditions (3 courses). See Undergraduate Bulletin for lists of approved courses.
- Students must take either CHEM 3360 or CHEM 4380 or both. Can be fulfilled in either the Fall or Spring semester of year 4. CHEM 3360 (fall only), CHEM 4380 (spring only).
- Research is required (minimum 2 credit hours) and may be begun as early as the sophomore year.