

SAMPLE DEGREE PLAN

Bachelor of Science, Environmental Science, Chemistry

This degree program requires a total of **120 credit hours (CH)**, including 38 credit hours of the lower-division (LD) UCA Core and 40 credit hours of upper-division (3000- and 4000-level) courses. This sample degree plan demonstrates how a first-time entering freshman with no college credit can earn the degree in eight semesters. The upper-division UCA Core must be met using major, minor, or general elective courses. For general and specific degree requirements, please see the *Undergraduate Bulletin* at <https://uca.edu/ubulletin>. Consult your academic advisor for appropriate substitutions and additional information.

This degree is offered as an eight-semester degree completion program. Eligible students who follow this degree plan and complete all general and specific degree requirements in the *Undergraduate Bulletin* of the year in which they were admitted will earn this degree in eight semesters. For eligibility requirements, see <https://uca.edu/ubulletin/degreeplans/> for more information.

Year 1

Fall — Semester 1		Spring — Semester 2	
Courses	CH	Courses	CH
WRTG 1310 Introduction to College Writing or Other approved Writing Foundation alternative	3	WRTG 1320 Academic Writing & Research or ENGL 1320 Interdisciplinary Writing & Research or Other approved Research and Writing alternative	3
LD UCA Core First Year Seminar or Other LD UCA Core Course	3	LD UCA Core First Year Seminar (if not taken) or Other LD UCA Core Course	3
CHEM 1450 College Chemistry I ¹	4	CHEM 1451 College Chemistry II	4
MATH 1486 Calculus Preparation ¹ or MATH 1496 Calculus I ²	4	MATH 1496 Calculus I or MATH 1497 Calculus II	4
General Elective	1	LD UCA Core Course	3
Total	15	Total	17

Year 2

Fall — Semester 3		Spring — Semester 4	
Courses	CH	Courses	CH
BIOL 1440 Biology I	4	BIOL 1441 Biology II	4
CHEM 2401 Organic Chemistry I	4	CHEM 3411 Organic Chemistry II	4
PSCI 1330 US Government and Politics	3	CHEM 3211 Organic Spectroscopy	2
MATH 1497 Calculus II (if not taken) or LD UCA Core Course	3-4	LD UCA Core Course	3
General Elective	0-1	LD UCA Core Course	3
Total	15	Total	16

¹ CHEM 1450 and MATH 1486 require an ACT of 21 or higher, or completion of MATH 1390 College Algebra with a grade of C or higher. Students who do not meet the prerequisites for these courses prior to the first semester are ineligible for the eight-semester degree completion program.

² MATH 1496 requires an ACT of 27 or higher, or a C or better in MATH 1486, or a C or better in both MATH 1390 and MATH 1392, or the equivalent of these prerequisites.

Year 3


Fall — Semester 5		Spring — Semester 6	
Courses	CH	Courses	CH
CHEM 3520 Quantitative Analysis	5	Chemistry Track Elective ³	4
ENVR 3410 Environmental Theory and Application	4	CHEM 4451 Advanced Analytical Chemistry	4
PHYS 1441 University Physics 1 or PHYS 1410 College Physics 1	4	PHYS 1442 University Physics 2 or PHYS 1420 College Physics 2	4
GEOG 1400 Earth Systems Science	4	LD UCA Core Course (if needed) or General Elective	3
Total	17	Total	15

Year 4

Fall — Semester 7		Spring — Semester 8	
Courses	CH	Courses	CH
PSCI 3320 Environmental Policy & Regulation	3	ENVR 4410 Practicum in Environmental Science	4
GEOG 3301 Conservation of Natural Resources	3	CHEM 4351 Environmental Chemistry	3
Chemistry Track Elective ³	3	CHEM 4152 Environmental Chemistry Lab	1
Chemistry Track Elective ³	3	General Elective	5
Total	12	Total	13

³BIOL 3403 General Ecology is recommended.

This sample degree plan has been approved by the Department of Chemistry in the College of Science and Engineering.



06/09/25

SIGNED – DEPARTMENT CHAIR / SCHOOL DIRECTOR

DATE



06/09/25

SIGNED – COLLEGE DEAN

DATE