MSU DENVER
COLLEGE OF LETTERS, ARTS AND SCIENCES

Four-Year Degree Plan: Bachelor of Arts in Chemistry

Catalog Year: 2023-2024

This is a degree plan for completing a Bachelor of Arts in Chemistry in eight semesters. This document is meant to be used as a guide for planning purposes only and is intended for use in consultation with a Professional Academic or Faculty advisor. **Students are responsible for consulting advisors and the MSU Denver catalog for degree requirements.**

Year One

Semester 1	Fall	Credits	Semester 2	Spring	Credits
CHE 1800	General Chemistry I*	4	CHE 1810	General Chemistry II	4
CHE 1801	General Chemistry I Lab	1	CHE 1811	General Chemistry II Lab	1
ENG 1010	Composing Arguments	3	MTH 1410	Calculus I	4
--	Oral Communications	3	ENG 1020	Research and Argument Writing	3
--	General Studies or electives	4	--	General Studies or elective	3
	Semester 1 Total	***15***		***Semester 2 Total***	***15***

Year Two

Semester 3	Fall	Credits	Semester 4	Spring	Credits
CHE 3000	Analytical Chemistry	3	CHE 3100	Organic Chemistry I	4
CHE 3010	Analytical Chemistry Lab	2	CHE 3120	Organic Chemistry I Lab	1
--	General Studies	6	--	General Studies	6
--	Minor Coursework	4	--	Minor coursework	4
	Semester 3 Total	***15***		***Semester 4 Total***	***15***

Year Three

Semester 5	Fall	Credits	Semester 6	Spring	Credits
CHE 3110	Organic Chemistry II	3	--	CHE Electives	3
CHE 3130	Organic Chemistry II Lab	2	--	General Studies and Electives	6
PHY 2311 **OR** PHY 2010	General Physics I **OR** College Physics I	4	--	Minor Coursework	6
--	CHE Electives	3			
--	Electives	3			
	Semester 5 Total	***15***		***Semester 6 Total***	***15***

Year Four

Semester 7	Fall	Credits	Semester 8	Spring	Credits
CHE 3190	Survey of Physical Chemistry	4	--	CHE Senior Experience	3
CHE 3200	Survey of Phys Chem Lab	1	--	General Studies and Electives	12
--	Minor coursework	4			
--	General Studies and Electives	6			
	Semester 7 Total	***15***		***Semester 8 Total***	***15***

Program Total: 120

*This plan assumes Math prerequisites have been met. Students must complete all courses with a grade of C- or better. This degree requires a minor.
**College Physics 1 or General Physics 1 and Calculus 1 will meet General Studies requirements.
***Concurrent enrollment in the lab is recommended

Advisor Contact Information: Kelsey Lumbard, klumbard@msudenver.edu, or visit Department of Chemistry and Biochemistry Advising or CLAS Academic Advising

Detailed Course Listing

Core Requirements		
CHE 1800	General Chemistry I	4
CHE 1801	General Chemistry I Laboratory	1
CHE 1810	General Chemistry II	4
CHE 1811	General Chemistry II Laboratory	1
CHE 3000	Analytical Chemistry	3
CHE 3010	Analytical Chemistry Laboratory	2
CHE 3100	Organic Chemistry I	4
CHE 3110	Organic Chemistry II	3
CHE 3120	Organic Chemistry I Laboratory	1
CHE 3130	Organic Chemistry II Laboratory	2
CHE 3190	Survey of Physical Chemistry	4
CHE 3200	Survey of Physical Chemistry Laboratory	1
	Core Requirements Total	**30**

Electives, Ancillary & Additional Courses		
--	CHE upper division electives - see Catalog for details	6
MTH 1410	Calculus I	4
PHY 2010 or 2311	College Physics I or General Physics I**	4
--	CHE senior experience course	3
	Electives, Ancillary and Additional Total	**17**

Program Totals	
General Studies Requirements	33
Core Requirements	30
Electives and Ancillary**	9
Minors	18-26
General Electives as Needed	22-30
Total to Graduate	**120**

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