University of Dubuque

2023-2024 Catalog

Chemistry

*Information subject to change

First Year

FALL			SPRING		
COURSE #	COURSE TITLE	HRS	COURSE #	COURSE TITLE	HRS
WVS 101	World View Seminar I	3	WVS 201	World View Seminar II	3
CHM 111	General Chemistry I	4	CHM 112	General Chemistry II	4
CHM 195	DNAS Intro. Seminar	1		Gen. Ed.	3
MATH 150	Precalculus (or by placement)	4		Gen. Ed.	3
	Gen. Ed.	3		Gen. Ed.	3
	FALL TOTAL	15		SPRING TOTAL	16
	CUMULATIVE TOTAL	15		CUMULATIVE TOTAL	31

Second Year

FALL			SPRING		
COURSE #	COURSE TITLE	HRS	COURSE #	COURSE TITLE	HRS
CHM 221	Organic Chemistry I	4	CHM 222	Organic Chemistry II	4
CHM 241/PHY 151	Analytical Chemistry/Physics I	4	CHM 341/PHY 152	Chemical Instrumentation/Physics II	4
MATH 250	Calculus I	4	CHM 295	DNAS Professional Prep. Seminar	1
	Gen. Ed.	3	MATH 250	Calculus II	4
				Gen. Ed.	3
	FALL TOTAL	15		SPRING TOTAL	16
	CUMULATIVE TOTAL	46		CUMULATIVE TOTAL	62

Third Year

FALL			SPRING		
COURSE #	COURSE TITLE	HRS	COURSE #	COURSE TITLE	HRS
CHM 241/ CHM 471	Analytical Chem./Physical Chemistry I	4	CHM 341/CHM 472	Chemical Instrument./ Physical Chem II	4
CHM 331	Biochemistry I	4	CHM/ MATH XXX	CHM/ MATH Elective	4
	Gen. Ed.	3		Gen. Ed.	3
	Gen. Ed.	3		Gen. Ed.	3
	FALL TOTAL	14		SPRING TOTAL	14
	CUMULATIVE TOTAL	76		CUMULATIVE TOTAL	90

Fourth Year

FALL			SPRING		
COURSE #	COURSE TITLE	HRS	COURSE #	COURSE TITLE	HRS
CHM 471/PHY 151	Physical Chem./ Physics I	4	CHM 472/PHY 152	Chemical Instrument./Physical Chem. II	4
CHM/ MATH XXX	CHM/ MATH XXX	4	CHM/ MATH XXX	CHM/ MATH XXX	3
CHM 495	Senior Seminar	1		Electives	8
	Gen. Ed.	3			
	Gen. Ed.	3			
	FALL TOTAL	15		SPRING TOTAL	15
	CUMULATIVE TOTAL	105		CUMULATIVE TOTAL	120

General Education Requirements to be taken when "Gen. Ed." is listed (12 courses): COM 101, ENG 101, ENG 104, Env. Stewardship, Social Development, Intercultural Engagement, Literature, Fine & Performing Arts, Judeo Christian Traditions, Hist./Phil./Politics, Physical Wellness (2 cr. + 1 cr.), Personal/Fin. Stewardship

Suggestions:

*Must earn a "C" or better in all required chemistry, math, and physics courses and have an overall GPA of 2.0 or greater.

*Students may find a number of elective courses beyond the minimum 8 science credit requirement will be recommended for certain career goals

*ENG 328 recommended for Literature Gen. Ed.

*It is recommended that you take ENG 101, COM 101, & ENG 104 within your first 4 semesters