

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Chemistry I CHEM 127 (4) * [B3/B4]	Chemistry II CHEM 128 (4) (CHEM 127)	Chemistry I CHEM 129 (4) (CHEM 128)	Organic Chemistry I CHEM 316 (5) (CHEM 129)	Organic Chemistry II CHEM 317 (5) (CHEM 316)	Organic Chemistry III CHEM 318 (3) (CHEM 317)	Biochemical Principles CHEM 371 (5) (CHEM 317, BIO 161)	Physical Chemistry Lab CHEM 354 (2) (CHEM 352)	Physical Chemistry III Laboratory CHEM 357 (1) (CHEM 353)	Inorganic Chemistry CHEM 481 (3) (CHEM 352 and CHEM 331)	Instrumental Analysis CHEM 439 (5) (CHEM 331, CHEM 354)	Senior Project Report CHEM 461 (1) (Consent of Instructor)
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/ \geq C-)	Calculus III MATH 143 (4) (MATH 142 w/ \geq C-)	Calculus IV MATH 241 (4) (MATH 143)	Linear Analysis I MATH 244 or 200 - 400 level CSC/STAT course(4) * [B1]	Advanced Organic Chemistry Lab CHEM 319 (2) (CHEM 317 and BIO 161)	Physical Chemistry I CHEM 351 (3) (CHEM 129, PHYS 132, MATH 143)	Physical Chemistry II CHEM 352 (3) (CHEM 351)	Physical Chemistry III CHEM 353 (3) (CHEM 352)	Undergraduate Seminar CHEM 459 (2) (CHEM 318 and Junior Standing)	CHEM Elective CHEM (3) ³ * [B1]	Inorganic Chemistry Laboratory CHEM 484 (2) (CHEM 481)
Free Elective (2) ¹	GE (4) *	Intro to Cell and Molecular Biology BIO 161 (4) (CHEM 127) [B2]	General Physics Ia PHYS 141 (4) (MATH 141 and MATH 142)	General Physics II PHYS 132 (4) (PHYS 141)	General Physics III PHYS 133 (4) (PHYS 141 and MATH 142)	GE (4) *	Physics 200 level and above PHYS >200 (3) *	CHEM Elective CHEM (3) ³ *	CHEM Elective CHEM (3) ³ *	CHEM Elective CHEM (3) ³ *	CHEM Elective CHEM (3) ³ *
	Free Elective (1) ¹	Free Elective (1) ¹		GE (4) *	Quantitative Analysis CHEM 331 (5) ² (CHEM 129)	GE (4) *	GE (4) *	GE (4) *	GE (4) *	GE (4) *	GE (4) *
Expository Writing ENGL 133/134 (4)* [A1] Can be taken anytime during Freshman Year							GE (4) *	GE (4) *			Free Elective (4) ¹
Oral Communication COMS 101/102 (4)* [A2] Can be taken anytime during Freshman Year											
	Reasoning, Argumentation, & Writing [A3] COMS 126; COMS/ENGL 145; ENGL148; PHIL 126 (4) (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.						Graduation Writing Requirement GWR* (Can be taken any time after 90 earned units)				
14	17	17	13	17	14	16	16	15	12	15	14
										TOTAL:	180

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

*One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, C3, C4, C1-C4 elective, D1, D2, D3, D4, D5 and F.

C4, D5 and F should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, D4, D5 or F.

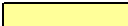



¹ A total of 8 units of elective credit are required for this major/concentration combination. The Chemistry Department strongly recommends

that you take "Introduction to the Chemical Sciences" [CHEM 101] offered only in Fall Quarter and Supplemental Workshops [SCM 150] for Math and Science for elective credit in your first year.

² Students should take CHEM 331 during their second year, and as soon as possible after completing CHEM 129.

³ Select at least 15 units of advanced chemistry electives. See CHEM curriculum sheet or Department for a current list of approved chemistry electives.

Legend:

Course Title Course # (Units) (Pre-Requisite)		Major (77)
		Support (39)
		General Ed. (56)
[GE Area]		Free Electives (8)