

Term	FRESHMAN				SOPHOMORE			JUNIOR			SENIOR			GRADUATE YEAR			
	Fall	Winter	Spring	Summer	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Coursework	CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)		CHEM 316 (5)	CHEM 317 (5)	CHEM 318 (3)	CHEM 371 (5)	CHEM 373 (3)	CHEM 372 (3)	CHEM 459 (2)	CHEM 461 (1)	ADV. APPR. Elect (4) ²	CHEM 598/ 599 (3)	CHEM 598/599 (3)	CHEM 598/599 (3)	
					CHEM 331 (5)		CHEM 319 (2)	CHEM 351 (3)	CHEM 352 (3)	CHEM 353 (3)	CHEM 375/ 439/474/ BIO 361/476 (2)	PCS Elect (3) ³	PCS Elect - (CHEM 446) (3) ³	PCS Elect (4) ³	PCS Elect (4) ³	PCS Elect (4) ³	
								MCRO 224 or BIO 452 (4-5)	ADV. APPR Elect (4) ²	ADV. APPR. Elect (4) ²		CHEM 544 (3)	CHEM 545 (3)	CHEM 550 (3)			
			BIO 161 (4)						CHEM 354 (2)			CHEM 547 (2)	CHEM 548 (2)	CHEM (551) (2)			
	MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	GE ¹ (4)	PHYS 121/ 141 (4)	PHYS 122/ 132 (4)	PHYS 123/ 133 (4)					CHEM 590 (1)	CHEM 590 (1)	CHEM 590 (1)			
	GE ¹ (4)	GE ¹ (4)	GE ¹ (4)	GE ¹ (4)		GE ¹ (4)	GE ¹ (4)	GE ¹ (4)	GE ¹ (4)	GE ¹ (4)	GE ¹ (4)		CHEM 375/474 (2)				
		GE ¹ (4)		GE ¹ (4)		GE ¹ (4)	GE ¹ (4)										
	Elective (2)	Elective (1)	Elective (1)	Elective (4)				Elective (0-1)				Elective (4)	Elect. (2)	Elective (4)			
14	17	17	16	14	17	17	17	16	14	14	14	14	17	7	7	7	

225 units required for graduation with the Blended BS + MS (4+1) Program in Chemistry. 180 units required for the BS degree, 45 units required for the MS degree.

¹ 56 units of General Education (GE) courses required. You must take one GE from each of the following areas: A1, A2, A3; C1, C2, C3, C4, C1-4; D1, D2, D3, D4, D5; F.

Check prerequisites before enrolling in GE Courses! It is strongly recommended that you complete GE Area A in your first year.

² Select 12 units of Advanced Biochemistry Electives from the Biochemistry curriculum sheet. At least two courses must be chosen from List A, including one lecture.

³ Select 18 units of Polymers and Coatings Science (PCS) Chemistry Electives to be chosen from the following: STAT 512, STAT 513; CHEM 405, CHEM 420, CHEM 439, CHEM 441, **(CHEM 446 - Strongly Recommended)**, CHEM 458, CHEM 470, CHEM 471, CHEM 500; MATE 530, MATE 560, ENGR 450, BMED 455, IME 556. Other choices are possible with advisor approval. NOTE: 45 distinct units are needed for the MS Program. Chemistry Electives courses can not double-count between BS and MS program.