

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 351 (3)	CHEM 352 (3)	CHEM 353 (3)	CHEM 481 (3)	CHEM 439 (5)	CHEM 484 (2)	CHEM 598/ 599 (3)	CHEM 598/599 (3)	CHEM 598/599 (3)	
							CHEM 319 (2)	ADV. CHEM Elect (4) ²	ADV. CHEM Elect (3) ²	CHEM 357 (1)	CHEM 544 (3)	CHEM 545 (3)	CHEM 550 (3)	PCS Elect (4) ³	PCS Elect (4) ³	PCS Elect (4) ³	
							CHEM 331 (5)	CHEM 313/371 (5)	ADV. CHEM Elect (4) ²	ADV. CHEM Elect (4) ²	CHEM 547 (2)	CHEM 548 (2)	CHEM 551 (2)				
			BIO 161 (4)	GE ¹ (4)	PHYS 141 (4)	PHYS 132 (4)	PHYS 133 (4)		CHEM 354 (2)		CHEM 459 (2)	CHEM 461 (1)	PCS Elect- (CHEM 446) (3) ³				
		MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	GE ¹ (4)	MATH 241 (4)	MATH 244 or STAT/ CSC 200-400 level (4)		PHYS Elect 200- level or above (3)	GE ¹ (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)			ADV CHEM Elective (0-3) ²	PCS Elect (3) ³			
		GE ¹ (4)	GE ¹ (4)		GE ¹ (4)			Elective (3)			Elective (2)	GE ¹ (4)	Elective (0-3) ²				
	16	16	16	16	17	17	17	15	16	14	15	15	14	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.

² Select between 15-18 units of Advanced Chemistry Electives from the Chemistry Curriculum Sheet. At least three courses must be chosen from List B. If only 15 units are taken, increase free electives by 3 units to total 8 units. If 18 units are taken, decrease free electives by 3 units to total 5 units.

³ Polymers and Coatings Science (PCS) Chemistry Electives to be selected 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.