

First Year – Fall Semester			First Year – Spring Semester		
CHEM 111	Principles of Chemistry I Sufficient math scores or min 'C' in CHEM 101, MATH 143, 160, or 170	4	CHEM 112	Principles of Chemistry II CHEM 111 or Permission	5
MATH 170	Analytic Geometry and Calculus I MATH 143 with 'C' or better and 144, or sufficient exam scores	4	MATH 175	Analytic Geometry and Calculus II MATH 170 with a grade of 'C' or better	4
ENGL 102	College Writing and Rhetoric ENGL 101 or sufficient test scores	3	PHYS 211, 211L	Engineering Physics I (with Lab) MATH 170	4
ISEM 101	Integrated Seminar	3		Humanities/Social Science Course	3
PHYS 200	Physics Seminar	1			
		Total Credits	15		
				Total Credits	16
Second Year – Fall Semester			Second Year – Spring Semester		
PHYS 212, 212L	Engineering Physics II (with Lab) PHYS 211, 211L; MATH 175	4	PHYS 213	Engineering Physics III (Spring only) PHYS 211, 211L; MATH 170	3
MATH 275	Analytic Geometry and Calculus III MATH 175	3	PHYS 305	Modern Physics (Spring only) PHYS 212, 212L; MATH 275, PHYS 213	3
MATH 330	Linear Algebra MATH 170; 175 recommended	3	MATH 310	Ordinary Differential Equations MATH 175; 275 recommended	3
CS 120	Computer Science I MATH 143 or CS 112 with 'C' or better, or sufficient test scores	4	ISEM 301	Great Issues Seminar ENGL 102 and Sophomore Standing	1
COMM 101	Fundamentals of Public Speaking	2		Humanities/Social Science Course	3
				American Diversity/International Course	3
		Total Credits	16		
				Total Credits	16
Third Year – Fall Semester			Third Year – Spring Semester		
PHYS 321	Analytical Mechanics (Fall only) PHYS 212, 212L and MATH 275; MATH 310	3	PHYS 300+	UPDV Physics Course Prerequisites vary by course	3
PHYS 341	Electromagnetic Fields I (Fall only) PHYS 212 and MATH 275	3		Humanities/Social Science Course	3
PHYS 300+	UPDV Physics Course Prerequisites vary by course	3		Additional Humanities/Social Science Course	3
	Humanities/Social Science Course	3		American Diversity/International Course	3
	Additional Humanities/Social Science Course	3			3
		Total Credits	15		
				Total Credits	15
Fourth Year – Fall Semester			Fourth Year – Spring Semester		
PHYS 300+	UPDV Physics Course Prerequisites vary by course	3	PHYS 300+	UPDV Physics Course Prerequisites vary by course	3
	Other elective(s) as needed	10	PHYS 300+	UPDV Elective Course Approved by Advisor	4
				Other elective(s) as needed	6
			PHYS 407 or 492	Senior Experience	1
		Total Credits	13		
				Total Credits	14