B.S. in Chemistry / B.S. in Chemical Engineering

CHM + CHE

	Freshman		Sophomore		Junior		Senior		5th Year	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Chemistry	**General I CHM 125 5	^General II CHM 126 5	** Organic I CHM 26505/265 or 261/263 5	^ Organic II CHM 26605/266 or 262/264 5	**Biochem. CHM 533 3	^ Physical II CHM 374 3 Physical Lab CHM 376 2	** Analytic. I CHM 321 4	^ Inorganic I CHM 241 4 ^ Literature CHM 513 1	**Analytic. II CHM 424 4	^ Inorganic II CHM 342/L 4 Seminar CHM 494 1
Math	Calc I MA 161 5	Calc II MA 162 5	Calc III MA 261 4	Diff Eq & Linear Alg MA 262 4	Diff Eq MATH 303 3					
Science[b]	CS 158 or 177 3	Mechanics PHYS 172 4	Optics & Electricity PHYS 272 Or 241/252 4							
English	Freshman Comp ENGL 106 4 or 108 3			Technical Writing/ Presentation COM 217 3						
Gen Ed					Great Issues 3			Gen Ed 3	Gen Ed 3	Gen Ed 3
Language					Foreign Language 101 3	Foreign Language 102 3	201 3 or Culture Diversity Study Abroad			^ Principles Molecular Engr. CHE 330 3
Engineering		♦ ENGR Innov. I ENGR 131 2	ENGR Innov. II ENGR 132 2 ChemE Calculation CHE 205 3	Intro Thermo CHE 211 4	Momentum Transfer CHE 377 4	^ Statistical Modeling and Quality Enhancmnt CHE 320 3 Elective ENGR 3	Separation Process Design CHE 306 4 Chemical Reactions Engr. CHE 348 4	Heat & Mass Transfer CHE 378 3 CHE Elective 3	**CHE Lab CHE 435 3 ** Process Dynamics CHE 456 3	^ Process Systems CHE 450 3
Total Credits	16 -17	16	18	16	16	14	14	14	14	14

**Fall only class; ^ Spring only class

♦Students need to apply and to be admitted into the College of Engineering's FYE Program in order to register for ENGR 131. Please visit https://engineering.purdue.edu/ENE/Academics/FirstYear

Common Substitutions: CHM 125/126 = 115/116; MA 161/162 = 165/166 ; PHYS 172/272= 152/242/241/252/290D

See detailed description of sci requirements at https://www.science.purdue.edu/undergraduate-curriculum