

Industrial/Engineering Chemistry

Degree Audit

(56-59 Credit Hours)

2025-2026

Requirements	Hours	Hours Comp & Grade	Hours in Progress	Hours Needed
CHEM 131: General Chemistry I	3			
CHEM 133: General Chemistry Lab I	1			
CHEM 132: General Chemistry II	3			
CHEM 134: General Chemistry Lab II	1			
CHEM 231: Quantitative Analysis	4			
CHEM 303: Organic Chemistry I	3			
CHEM 305: Organic Chemistry I Lab	1			
CHEM 331: Physical Chemistry I	4			
CHEM 351: Inorganic Chemistry	4			
MATH 125: Calculus I	4			
MATH 224: Calculus II	4			
PHYS 221: General Physics I	4			
PHYS 222: General Physics II	4			

Electives Choose **FOUR** of the following: CHEM 332, 408; CSCI 115; EGRG 311, 312, 321, 325, 351; ENVE 303; MATH 225, 235, 257, 302;

Capstone (4 hours)

CHEM 380: The Professional Chemist	3			
CHEM 472: Chemistry Research Capstone OR	1			
CHEM 474: Chemistry Lab Research Capstone				

This major builds upon the Applied Chemistry Major and is meant to prepare students for either 3+2 programs in Chemical Engineering or to go directly into industry after graduation. Elective courses were chosen to provide adequate preparation for graduate studies and based on conversations with current industrial chemists.

Recommended minors: Business, Communication, Professional Writing

Student Signature and Date	Advisor Signature and Date

Each major must include at least 18 hours of 300-400 level credit that are not applied toward any additional majors.

05/28/25