Sample Schedule for a Chemical Engineering Major with an Aerospace Engineering (AE) Minor

This schedule is bases on the curriculum for the Class of 2025 and up. The position of electives and some of the basic science courses are arbitrary. Aerospace engineering (AE) minor courses are highlighted in yellow, as well noting AE minor course in parentheses.

First Year	
Fall Term	**Spring Term**
CHEM 131: Chemical Concepts	CHEM 132: Chemical Concepts II
MATH 161: Calculus	MATH 162: Calculus II
WRTG 105: Primary Writing Requirement	PHYS 121: Mechanics
CHE 150: Introduction to Sustainable Energy	Elective Humanities/Social Science

Sophomore Year	
Fall Term	**Spring Term**
CHEM 203: Organic Chemistry	CHEM 204: Organic Chemistry II
CHEM 207: Organic Chemistry Lab	CHE 116: Numerical Methods & Statistics
PHYS 122: Electricity and Magnetism	CHE 243: Fluid Dynamics
MATH 164: Multi-Dimensional Calculus	MATH 165: Linear Algebra and Differential Equations
Elective Humanities/Social Science	WRTG 273: Communicating Your Professional Identity

Junior Year	
Fall Term	**Spring Term**
CHE 225: Thermodynamics	CHE 226: Thermodynamics II
CHE 224: Heat and Mass Transfer	CHE 250: Separation Process
PHYS 122: Electricity and Magnetism	CHE 231: Kinetics and Reactor Design
Elective Humanities/Social Science	CHE 279: Chemical Engineering
ME 121: Engineering Mechanics II* (AE minor course)	Elective Humanities/Social Science

Senior Year	
Fall Term	**Spring Term**
CHE 246: Lab in Chemical Engineering Principles	CHE 255: Chemical Engineering Senior Design Lab
CHE 272: Chemical Engineering Process Control	CHE 273: Process Design and Simulation
Elective (humanities/social sciences)	Elective (advanced chemistry, biology, or earth and environmental sciences)
ME 214: Advanced Dynamics (AE minor course)	ME 227: Introduction to Aerodynamics (AE minor course)
	ME 232: Opto-Mechanical Design (AE minor course)

* Prerequisite to ME 214