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

First Year	
Fall Term	**Spring Term**
CHEM 131: Chemical Concepts	ME 120: Engineering Mechanics I
MATH 161: Calculus	MATH 162: Calculus II
WRTG 105: Primary Writing Requirement	PHYS: 121: Mechanics
ME 104: Engineering of Bridges	Cluster Course #1

Sophomore Year	
Fall Term	**Spring Term**
ME 131: Engineering Mechanics II	ME 123: Thermodynamics
MATH 165: Linear Algebra with Differential Equations	MATH 164: Multidimensional Calculus
PHYS 122: Electricity and Magnetism	ME226: Introduction to Solid Mechanics
ME 160: Engineering Computation I	ME 260: Engineering Computation II
WRTG 273: Communicating Your Professional Identity	ME 110: Introduction to CAD and Drawing

Junior Year	
Fall Term	**Spring Term**
ME 225: Introduction to Fluid Dynamics	ME 223: Heat Transfer
ME 280: Introduction to Materials Science	ME 241: Mechanics Lab
ME 240: Fundamentals in Instrumentation	Cluster Course #3
Cluster Course #2	OPT 210: Circuits and Microcontrollers for Engineers
ME 254 or ME 213 (AE minor course)	

Senior Year	
Fall Term	**Spring Term**
ME 204: Mechanical Design	ME 205: Advanced Mechanical Design* (AE minor course)
ME 213: Mechanical Systems – Vibration	ME 251: Heat Power Application
Natural Science Distribution Requirement	ME 227, ME 231, ME 232, ME 246, or ME 222 (AE minor course)
Course in Social Sciences or Humanities	ME 227, ME 231, ME 232, ME 246, or ME 222 (AE minor course)

*For ME 205: Advanced Mechanical Design to count as one of the core aerospace courses for the aerospace engineering minor, the student must do the aerospace design project of the class.