Sample Schedule for an Electrical and Computer Engineering Major with an Aerospace Engineering (AE)Minor

First Year	
Fall Term	**Spring Term**
ECE 101: Introduction to Electrical and Computer Engineering	ECE 112: Digital Logic
MATH 161: Calculus	MATH 162: Calculus II
WRTG 105: Primary Writing Requirement	PHYS 121: Mechanics
Cluster elective	Cluster elective

Sophomore Year	
Fall Term	**Spring Term**
ECE 114: Introduction to C/C++ Program	ECE 113: Introduction to Signals and Circuits
MATH 165: Linear Algebra with Differential Equations	MATH 164: Multidimensional Calculus
PHYS 122: Electricity and Magnetism	PHYS 123: Waves and Modern Physics
WRTG 273: Communicating Your Professional Identity	ME 226: Introduction to Solid Mechanics
Cluster/elective	

Junior Year	
Fall Term	**Spring Term**
ECE 221: Electronic Devices and Circuits	ECE 200: Computer Organization
ECE 241: Signal Processing and Communication	ECE 222: Integrated Circuits Design and Analysis
ECE 216: Mechatronics and Embedded Systems	PHIL 120: Ethics in Technology
ECE 270: Probability for Electrical Engineers	Advanced ECE elective
ME 121: Engineering Mechanics II*	ME 232 or ME 246 (AE minor course)

Senior Year	
Fall Term	**Spring Term**
ECE 348: electrical and Computer Engineering Design Seminar	ECE 349: Electrical and Computer Engineering Capstone
ECE 230: Electromagnetic Waves	Advanced ECE elective
Advanced ECE elective	Elective
ME 214: Advanced Dynamics (AE minor course)	ME 232 or ME 246 (AE minor course)

* Prerequisite to ME 214