

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

<b>First Year</b>	
<b>Fall Term</b>	<b>Spring Term</b>
MATH 161: Calculus	PHYS 121: Mechanics
WRTG 105: Primary Writing Requirement	MATH 162: Calculus II
Elective or cluster course	Elective or cluster course
Elective or cluster course	Elective or cluster course

<b>Sophomore Year</b>	
<b>Fall Term</b>	<b>Spring Term</b>
MATH 164: Multidimensional Calculus	PHYS 123: Waves and Modern Physics
PHYS 122: Electricity and Magnetism	MATH 165: Linear Algebra with Differential Equations
ME 121: Engineering Mechanics II*	ME 226: Introduction to Solid Mechanics**
Elective or cluster course	Elective or cluster course

<b>Junior Year</b>	
<b>Fall Term</b>	<b>Spring Term</b>
PHYS 217: Electricity and Magnetism I	PHYS 218: Electricity and Magnetism II
PHYS 235W: Classical Mechanics	PHYS 237: Quantum Mechanics of Physical Systems
MATH 281: Fourier Series	PHYS 227: Thermodynamics and Statistical Mechanics
Elective	ME 232 or ME 246 (AE minor courses)

<b>Senior Year</b>	
<b>Fall Term</b>	<b>Spring Term</b>
PHYS 243W: Advanced Experimental Techniques I	PHYS 246: Quantum Theory
ME 204: Mechanical Design (AE minor course prerequisite )	MATH 282: Introduction to Complex Variables
ME 214: Advanced Dynamics	PHYS or ASTR elective
PHYS or ASTR elective	ME 232 or ME 246
Elective	

\* Prerequisite to ME 214

\*\* Pre-requisite for ME 204 and ME 246