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

First Year	
Fall Term	**Spring Term**
OPT 101: Introduction to Optics	OPT 211: Matlab for Optics Majors Part I
MATH 161: Calculus	MATH 162: Calculus II
WRTG 105: Primary Writing Requirement	PHYS 121: Mechanics
CHEM 137: Chemical Principles for Engineers	Cluster course

Sophomore Year	
Fall Term	**Spring Term**
OPT 241: Geometrical Optics	OPT 287: Math Methods for Optics and Physics
OPT 201: Geometrical Optics Lab	OPT 261: Interference and Diffraction
PHYS 122: Electricity and Magnetism	PHYS 123: Waves and Modern Physics
MATH 164: Multidimensional Calculus	OPT 202: Physical Optics Lab
Cluster course, technical elective, or free elective	ME 226: Introduction to Solid Mechanics**

Junior Year	
Fall Term	**Spring Term**
OPT 262: Electromagnetic Theory	OPT 225: Optical Sources and Detectors
OPT 242: Aberrations and Testing	OPT 204: Sources and Detectors Lab
OPT 203: Instrumentation Lab	OPT 223: Quantum Theory of Optics
MATH 165: Linear Algebra and Differential Equations	ECE 210: Circuits and Microcontrollers for Engineers
OPT 212: Matlab for Optics Majors II	WRTG 273: Communicating Your Professional Identity
ME 121: Engineering Mechanics II*	A 2 credit course for major requirement

Senior Year	
Fall Term	**Spring Term**
OPT 310: Senior Design I	OPT 311: Senior Design II
ME 214: Advanced Dynamics (AE minor course)	ME 232: Opto-Mechanical Design (AE minor course)
Cluster course, technical elective, or free elective	ME 246: Aerospace Structures (AE minor course)
Cluster course, technical elective, or free elective	Cluster course, technical elective, or free elective

* Prerequisite to ME 214

** Pre-requisite for ME 204 and ME 246