INTRODUCTORY REQUIREMENTS

Calculus: MATH 19A (FWS) ___ OR 20A (F) ___
MATH 19B (FWS) ___ OR 20B (W) ___
MATH 23A (FWS) ___

Advanced Calculus: MATH 23B (FWS) ___ OR PHYS 14 (*) ___

Chemistry: CHEM 1A (FWS) ___

Physics: PHYS 5A/L (F) ___ + 5B/M (W) ___ + 5C/N (S) ___ + 5D (F) ___
NOTE: To declare Applied Physics as a major, PHYS 5ABC must be completed with a 2.7 GPA

Programming in C++: CMPS 5C (*) ___

ADVANCED REQUIREMENTS 16 total

Modern Physics: PHYS 101A Introduction to Modern Physics I (F) ___
PHYS 101B Introduction to Modern Physics II (W) ___

Mechanics: PHYS 105 Mechanics (F) ___

Electricity/Magnetism/Optics: PHYS 110A Electricity, Magnetism, and Optics (W) ___
PHYS 110B Electricity, Magnetism, and Optics (S) ___

Thermodynamics: PHYS 112 Thermodynamics and Statistical Mechanics (W) ___

Math Methods: PHYS 116A Mathematical Methods in Physics (W) ___
PHYS 116B Mathematical Methods in Physics (S) ___
PHYS 116C Mathematical Methods in Physics (F) ___

Electives: THREE from the following...
AMS 107/PHYS 107 Introduction to Fluid Dynamics (W/*) ___
PHYS 109 Optics (*) ___
PHYS 115 Computational Physics (S) ___
PHYS 152 Optoelectronics (*) ___
PHYS 155 Solid State Physics (W) ___
PHYS 156 Applications of Solid State Physics (S) ___
PHYS 160 Practical Electronics (*) ___
EE 103 Signals and Systems (FS) ___
EE 127 Systems Design I (*) ___
EE 128 Systems Design II (*) ___
EE 145 Properties of Materials (FS) ___

NOTE: Electives may be chosen from courses in Physics or other science and engineering departments in discussion with a faculty advisor. Courses must be pre-approved prior to enrollment.

Laboratories: PHYS 133 Intermediate Laboratory (WS) ___
PHYS 134 Physics Advanced Laboratory (WS) ___

COMPREHENSIVE REQUIREMENT

Senior Thesis Research: PHYS 195A (F) ___ + PHYS 195B (W) ___
Senior Thesis on an applied physics topic ___