<table>
<thead>
<tr>
<th>PLAN I</th>
<th>PLAN II</th>
<th>PLAN III</th>
<th>Alternative Math Sequence</th>
</tr>
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<tbody>
<tr>
<td><strong>For students with strong physics/math background</strong> (e.g., 4 or 5 on AP Phys C Mech and AP Calc BC)</td>
<td><strong>For students who have NOT yet taken AP Phys C Mech w/score of 4 or 5</strong></td>
<td><strong>For students who are NOT able to complete Math 50 and Phys 40 Series in Freshman year, take Math 50 series in Freshman or Sophomore year, or a combination of these</strong></td>
<td><strong>for students who cannot take entire Math 50 series in one year but plan to take PH 120, 121 and 110 in Sophomore Year</strong></td>
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<table>
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<tr>
<th>Term</th>
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</tbody>
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See back of this page for footnotes.
Ph 67 lab should be taken instead of Ph 44 lab by students who intend to major in Physics.

** Ph 59 is not required for the physics major, but is recommended as an introduction to research topics. Can also be taken Sophomore year.

† Ph 70 is required for students who complete the 40 series. Students who complete the 60 series take one physics elective instead of Ph 70. Choose from this list: Ph 100, 112, 113, 134, 152, 160, 161, 172, 211, 216, 220, 230, 231, 262

†† Ph 112 can be replaced by any upper level math elective or Stats 116 or EE 261.

††† Ph 113 is not required but complements Ph 110 and 120/121.

◊ Ph 107 satisfies the Writing in the Major requirement.

◊◊ Ph 134 is not required but is strongly recommended for those intending to go to graduate school.

◊◊◊ Ph 108 is offered both winter and spring quarters. Majors are required to take it only once.

Overseas study is possible, and is normally done in one of the following quarters:
- sophomore year: spring
- junior year: autumn
- junior year: spring

Details can be worked out in consultation with your Physics academic advisor.

** COURSE TITLES **

Physics 41 Mechanics
Physics 42 Classical Mechanics Lab
Physics 43 Electricity and Magnetism
Physics 44 Electricity and Magnetism Lab
Physics 45 Light and Heat
Physics 46 Light and Heat Lab
Physics 59 Current Research Topics
Physics 61 Mechanics and Special Relativity
Physics 62 Classical Mechanics Lab
Physics 63 Electricity, Magnetism & Waves
Physics 64 Electricity, Magnetism & Optics Lab
Physics 65 Quantum and Thermal Physics
Physics 67 Intro to Lab. Physics
Physics 70 Foundations of Modern Physics
Physics 100 Intro to Observational and Laboratory Astronomy
Physics 105 Intermediate Physics Lab I
Physics 107 Intermediate Physics Lab II
Physics 108 Advanced Physics Lab
Physics 110 Advanced Mechanics
Physics 112 Math Methods of Physics
Physics 113 Computational Physics
Physics 120 Intermediate E&M I
Physics 121 Intermediate E&M II
Physics 130 Quantum Mechanics I
Physics 131 Quantum Mechanics II
Physics 134 Advanced Topics in Quantum Mechanics
Physics 152 Introduction to Particle Physics
Physics 160 Intro to Stellar and Galactic Astrophysics
Physics 161 Intro to Extragalactic Astrophysics and Cosmology
Physics 170 Thermo, Kinetic Theory, & Statistical Mechanics I
Physics 171 Thermo, Kinetic Theory, & Statistical Mechanics II
Physics 172 Solid State Physics
Physics 211 Continuum Mechanics
Physics 216 Back of the Envelope Physics
Physics 220 Classical Electrodynamics
Physics 230, 231 Quantum Mechanics
Physics 262 Introduction to Gravitation

Math 51 Linear Algebra/Multi-Variable Calculus
Math 51M Intro to MATLAB for Multivariable Mathematics
Math 52 Vector Calculus
Math 53 Linear Algebra Ordinary Differential Equations
Math 131P Partial Differential Equations
Math 173 Theory of Partial Differential Equations

Stats 116 Theory of Probability

EE 261 The Fourier Transform and Its Applications