Name:

## Major Required

CHM1210 - General Chemistry I (3) (B1)
CHM1210L - General Chemistry Laboratory I (1) (B3)
MAT1140 - Calculus I (4) (B4)
MAT1150 - Calculus II (4) (B4)
MAT2140 - Calculus III (4)
MAT2250 - Linear Algebra with Applications to Differential Equations (4)
PHY1510 - Introduction to Newtonian Mechanics (3) (B1)
PHY1510L - Newtonian Mechanics Laboratory (1)
PHY1520 - Introduction to Electromagnetism and Circuits (3)
PHY1520L - Introductory Laboratory on Electromagnetism and Circuits (1)
PHY2530 - Introduction to Electromagnetic Radiation and Special Relativity (2)
PHY2530A - Electromagnetic Radiation and Special Relativity Recitation Activity (1)
PHY2530L - Introductory Laboratory on Electromagnetic Radiation and Special Relativity (1)
PHY2540A - Thermal and Quantum Physics Recitation Activity (1)
PHY2540L - Introductory Laboratory on Thermal and Quantum Physics (1)
PHY 3600 - Mathematical Methods of Physics I (3)
PHY3600A - Mathematical Methods of Physics I Recitation Activity (1)
PHY4630 - Undergraduate Seminar (1)
Subplan/Option Required $\qquad$
BIO1210L - Foundations of Biology: Energy, Matter, and Information Laboratory (1) (B3)
B1O1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity (3)
BIO1220L - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1)
CHM1220 - General Chemistry II (3) (B1)
GSC1110 - Principles of Geology (3) (B1)
GSC1160 - Introduction to Astronomy (3) (B1)
GSC1410L - Principles of Geology Laboratory (1) (B3)
PHY3210 - Advanced Classical Mechanics (3)
PHY3210A - Advanced Classical Mechanics Recitation Activity (1)
STS2010 - Introduction to Science, Technology, and Society (3) (C2)
Subplan/Option Electives

MAT2010 - Introduction to Computational Methods in Mathematics (2) and
MAT2010L - Introduction to Computational Methods in Mathematics Laboratory (1)

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are indicated with "and"
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AST3240-Observational Astronomy (2) and
AST3240A - Observational Astronomy Computer Activity (1)
OR
PHY3040 - Electronics for Scientists (2) and
PHY3040L - Electronics for Scientists Laboratory (1)
PHY3
PHY4090 - Computational Physics (2) and
PHY4090A - Computational Physics Activity (1)
OR
PHY4170 - Wave Optics (2) and
PHY4170L - Wave Optics Laboratory (1)
OR
PHY4
OR 4410 - Internship in Physics ( $1-2$ )
PHY4610 - Senior Project I (1) and
PHY4620 - Senior Project II (2)
Select 4 units (one lecture/activity pair) from the following list:
PHY4010-Quantum Mechanics I (3) and
PHY4010A - Quantum Mechanics I Recitation Activity (1)
PHY4140A - Electricity and Magnetism I Recitation Activity (1)
OR
PHY4330 - Thermal and Statistical Physics (3) and
PHY4330A - Thermal and Statistical Physics Recitation Activity (1)
Select 2 units (one pair of lab/activity courses) from the following list:
PHY4510A - Advanced Laboratory Physics - Advanced Instrumentation Recitation Activity (1) and

