



## Suggested Sequence for Four-Year Plan

## First Year

Fall	Total:15cr	Spring	Total:15cr
I. PHYS 191 University Physics I (4) H. MATH122 Calc I or AMAT120 App Calc A(4)* G. CSIT 104 Computational Concepts (3) C1. Writing (3) A. New Student Seminar (1)		PHYS 192 University Physics II (4) PHYS 198 Introductory Physics Seminar (1) MATH 221 Calc II or AMAT 220 App Calc B (4) C2. Literature (3) C3. Communication (3)	

## Second Year

Fall	Total:15cr	Spring	Total:13cr
PHYS 210 Intermediate Mechanics (3)** MATH 222 Calculus III (4) CHEM 120 General Chemistry I (4) PHYS 280 Astronomy for Physicists (4)		PHYS 340 Electricity and Magnetism (3)** PHYS 320 Statistical and Thermal Physics (3)** AMAT 350 or PHYS 377 (3) [or MATH 325 (4)] CHEM 121 General Chemistry II (4)	

## Third Year

Fall	Total:14cr	Spring	Total:15-16cr
PHYS 220 Oscillations, Waves, & Optics (3)** PHYS 230 Intermediate Physics Lab (4) PHYS 300 Junior/Senior Physics Seminar (1) PHYS 461 Special & General Relativity (3) World Language I (3)		PHYS 360 Modern Physics (3)** Physics Elective (3-4) F1. Great Works and Their Influences (3) F2. Philosophical & Religious Perspectives (3) World Language II/Free Elective (3)	

## Fourth Year

Fall	Total:16cr	Spring	Total:16-17cr
PHYS 464 Quantum Mechanics (3) PHYS 330 Advanced Physics Lab (4) PHYS 480 Astrophysics (3) D. Fine & Performing Arts (3) K3. Social Science Perspectives (3)		Physics Elective (3-4) K1. American & European History (3) K2. Global Cultural Perspec./World Cultures (3)*** L. Interdisciplinary Studies (3) Free Elective (2-4) J. Physical Education (1)	

Note: After Year 1, General Education, World Languages/Cultures, and free electives can be taken in any sequence.

\*Students who do not have a strong (4 year) background in high school mathematics, including exponential, logarithmic, and trigonometric functions are advised to take MATH 111 Applied Precalculus before Calculus I.

\*\* The PHYS 210, 320, 340 and PHYS 220, 360 sequences are offered in alternate years and can be taken in Year 2 or Year 3. Most 200-level and higher physics courses are offered on an alternate-year schedule.

\*\*\* GenEd Category K2 & World Cultures double-dip: ANTH 100, 115, 120, 130, 140, 150, ARAB 193, ARHT 101, DNCE 145, FREN/FRIN 283, 289, GSWS 200, HUMN 217, 289, HIST 108, 114, 132, 138, LALS 201, 205, PHIL 237, POLS 206, RELG 240, 250, 252, 254