Sample Four Year Plan

Physics (BS) – General Physics Track, Start with Calculus I

FALL - Semester 1
PHYS 185: College Physics I
MATH 198: Analytic Geometry and Calculus I

SPRING - Semester 2
PHYS 186: College Physics II
PHYS 190: Calculus for Physics I
MATH 263: Analytic Geometry and Calculus II

FALL - Semester 3
PHYS 191: Calculus for Physics II
MATH 264: Analytic Geometry and Calculus III
STAT 290: Statistics
CS 170: Introduction to Computer Science I

SPRING - Semester 4
PHYS 250: Modern Physics I
PHYS 310: Intermediate Laboratory
PHYS 275: Vibrations and Waves
MATH 365: Ordinary Differential Equations

FALL - Semester 5
PHYS 351: Modern Physics II
PHYS 320: Electronics
PHYS 382: Mathematical Physics

SPRING - Semester 6
PHYS 386: Classical Mechanics
PHYS 446: Advanced Laboratory
PHYS 345: Junior Seminar

FALL - Semester 7
PHYS 580: Quantum Mechanics
PHYS 486: Thermodynamics and Statistical Mechanics

SPRING - Semester 8
PHYS 518: Advanced Topics
PHYS 482: Electricity and Magnetism

Dialogues Curriculum: The Dialogues Curriculum requires a certain number of courses/credit hours in the following Perspectives: Social, Arts and Humanities, STEM, Communications, and Statistics. The exact number of courses a student will be required to take during their undergraduate career varies individually according to the credit transferred in.

Department Chair: Please contact the Center for Academic Excellence with any updates to the plan above. Rev. 2-16-24