

# Sample Plan for Semesters 1-6

## Physics/Engineering Dual Degree - Start with Calculus I

### FALL - Semester 1

PHYS 185: College Physics I  
MATH 198: Analytic Geometry and Calculus I  
CS 170: Introduction to Computer Science I

### FALL - Semester 3

PHYS 191: Calculus for Physics II  
MATH 264: Analytic Geometry and Calculus III  
STAT 290: Statistics

### FALL - Semester 5

PHYS 351: Modern Physics II  
PHYS 382: Mathematical Physics

### SPRING - Semester 2

PHYS 186: College Physics II  
PHYS 190: Calculus for Physics I  
MATH 263: Analytic Geometry and Calculus II

### SPRING - Semester 4

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

### SPRING - Semester 6

Physics Elective  
PHYS 345: Junior Seminar  
PHYS 445: Physics Capstone

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### Notes:

In addition, a 15-hour learning plan is required.  
Learning plan is back-transferred engineering courses.

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**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