



Year 1

Fall

Differential calculus

Winter

Integral calculus

Freshman seminar

Spring

Multivariable calculus

Calc Physics I

Year 2

Vector calculus

Calc Physics II

Matrix & power series

Calc Physics III

Challenges

Linear algebra

Differential equations

Theoretical mechanics

Year 3

Quantum fundamentals

Energy & entropy

Oscillations & waves

Periodic systems

Static fields

Central forces

Computational lab

Electronics

Computational lab

Challenges

Vector calculus

Computational lab

Research

Theoretical Mechanics

Transfer student additional courses

Year 4

E&M capstone

Thesis

Research

Computational Physics

Quantum capstone

Thesis

Research

Optics

Astrophysics

Thermal capstone

Thesis

Particle physics

Biophysics

Computer interfacing