

B.S. in Physics

First year

fall

PHY 1090
Frontiers of Physics
(3)

spring

COP 2271
Introduction to
Computation and
Programming
(3)

CHEM 2045&L
Chemistry I
(4)

PHY 2048&L
Physics 1 with
Calculus
(4)

MAC 2311
Analytic Geometry
and Calculus 1
(4)

MAC 2312
Analytic Geometry
and Calculus 2
(4)

ENC 1101
English
Composition I
(3)

ENC 2210
Technical Writing
(3)

Social Science
(3)

Sophomore

fall

PHY 2750C
Design Techniques
in Physics
(3)

COP 3337
Object Oriented
Programming
(3)

PHY 2049&L
Physics 2 with
Calculus
(4)

MAC 2313
Analytic Geometry
and Calculus 3
(4)

spring

PHY 2841C
Experimental
Techniques in
Physics
(3)

PHY 3101
Modern Physics
(3)

PHY 3221
Classical
Mechanics
(3)

MAP 2302
Differential
Equations
(3)

MAS 3105
Linear Algebra
(3)

Junior

fall

PHY 3802C
Modern Physics
Design 1
(3)

PHZ 3151
Computational
Physics 1
(3)

PHY 3323
Electricity and
Magnetism 1
(3)

PHY 3602
Quantum
Mechanics 1
(3)

**Concentration
Elective 1**
(3)

IDS 4941
Professional
Experience
Internship
(0)

spring

PHY 3803C
Modern Physics
Design 2
(3)

PHZ 4153
Computational
Physics 2
(3)

PHY 4603
Quantum
Mechanics 2
(3)

PHY 4513
Thermal and
Statistical
Mechanics
(3)

**Concentration
Elective 2**
(3)

Senior

fall

PHY 4910C
Physics Capstone
Design 1
(3)

Social Science
(3)

Arts & Humanities
(3)

Free Elective 1
(3)

**Concentration
Elective 3**
(3)

spring

PHY 4911C
Physics Capstone
Design 2
(3)

Arts & Humanities
(3)

PHY 4324
Electricity and
Magnetism 2
(3)

Free Elective 2
(3)

**Concentration
Elective 4**
(3)

Key

Foundational	Physics Core	Computing and Design	General Education	Free Elective
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