

BA in Physics (PH) 4 year sample plan

Fall

Spring

yr.1

Course	CR
PH 1510/1- Physics 1 + Lab	4
MT 1350 - Calc & Analytic Geometry I	4
CORE	6
TOTAL	14

Course	CR
PH 1520/1 - Physics 2 + Lab	4
MT 1360 - Calc & Analytic Geometry II	4
CORE	6
TOTAL	14

yr.2

EP 2510 - Eng. Phys. Applications I	3
PH2710- Physics Seminar I	0
MT2330 - Calc + Analytic Geometry III	4
EP 2520/1 or EP 2540 (spring)	4
core	3
free elective (fall or spring)	3
TOTAL	13-17

PH 2540- Modern Physics	3
EP 2520/1 (fall) or EP 2540	3
EP 2560 or MT 2340	3
core	6
free elective (fall or spring)	3
TOTAL	15-18

yr.3

*PH 3610 OR **PH 4760 (3rd or 4th yr)	3
PH 3710 - Physics Seminar II	0
CORE	6
free electives	6
TOTAL	15

*EP 3540 OR **EP 3520	3-4
EP 3560 Experimental Methods Lab	3
CORE	7
free elective(s)	3-6
TOTAL	16-17

yr.4

^major elective	3-4
PH 4910- Senior Research or Design	2
CORE	6
free elective	3
TOTAL	14-15

^major elective	3-4
CORE	6
free elective(s)	6
TOTAL	15-16

* offered odd years only

** offered even years only

^ 3XXX or 4XXX level, approved by the department

EP 2540 - Comput. in Phys. & Engin.

EP 2520/1 - Electronics Circuits + Lab

MT 2340 - Intro to Differential Equation

EP 2560 - Math Methods for Phys. & Engineering

PH 3610 - Classical Mechanics

EP 3520 - Electromagnetic Fields

PH 4760 - Quantum Physics

EP 3540 - Thermodynamics

major requirement

major support course

CORE

minimum overall total

120

Notes: This is only a sample sequence of courses which will satisfy major requirements from the 23-24 Undergraduate Bulletin. Each individual student should work with a department faculty member to customize as necessary. The example layout of Core credits is for students required to take 46 credits of CORE, which includes 2 semesters of foreign language and 1 semester of written expression.