

# BS in Physics (PH) 4 year sample plan

revised 5/27/22

	<u>Fall</u>		<u>Spring</u>	
<b>yr.1</b>	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	PH 135/L - Physics 1 + Lab	4	PH 136/L - Physics 2 + Lab	4
	MT 135 - Calc & Analytic Geometry I	4	MT 136 - Calc & Analytic Geometry II	4
	CORE	6	CORE	6
	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>
<b>yr.2</b>	EP 235 - Eng. Phys. Applications	3	PH 246 - Modern Physics	3
	PH 348 - Physics Seminar I	0	EP 251 - Computation in Phys. & Engin.	3
	^Non-physics lab course (BL, CH, CS)	4-5	EP 260/L - Electronics Circuits + Lab	4
	MT 233 - Calc + Analytic Geometry III	4	EP 217 or MT 234	3
	CORE	4	CORE	3
	<b>TOTAL</b>	<b>15-16</b>	<b>TOTAL</b>	<b>16</b>
<b>yr.3</b>	*PH 315 OR **PH 445	3	*EP 325 OR **EP 365	3
	MT 242 - Intro to Linear Algebra	3	EP 347 Eperimental Methods Lab	3
	PH 349 - Physics Seminar II	0	^^major elective	3-4
	CORE	9	CORE	6
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15-16</b>
<b>yr.4</b>	*PH 315 OR **PH 445	3	*EP 325 OR **EP 365	3
	PH 407 - Senior Research or Design	2	^^major elective	3-4
	CORE	6	CORE	6
	free elective	3	free elective	3
	<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>15-16</b>
				<b>minimum overall total</b>

\* offered odd years only

\*\* offered even years only

^One of CH 141/143, BL 155/157, CS 128/128L

^ 3XX or 4XX, approved by the department  
(normally PH, EP, MT, or CS)

major requirement

major support course

CORE

MT 234 - Intro to Differential Equation

EP 217 - Math Methods for Phys. & Engineering

PH 315 - Classical Mechanics

EP 365 - Electricity & Magnetism

PH 445 - Quantum Physics

EP 325 - Thermodynamics

Notes: This is only a sample sequence of courses which will satisfy major requirements from the 22-23 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.

