

# BS in Engineering Physics (EP) 4 year sample plan

revised 8/23/19

## Fall

## Spring

yr.1

Course	CR
PH135/L - Physics 1 + Lab	5
MT135 - Calc & Analytic Geometry I	4
CORE	6
<b>TOTAL</b>	<b>15</b>

Course	CR
PH136/L - Physics 2 + Lab	5
MT136 - Calc & Analytic Geometry II	4
CORE	3
<b>TOTAL</b>	<b>15</b>

yr.2

PH246 - Modern Physics	3
PH348 - Physics Seminar I	0
^^Non-physics lab course (BL, CH, CS)	4+
MT233 - Calc + Analytic Geometry III	4
CORE	3
<b>TOTAL</b>	<b>14+</b>

EP260/L - Electronics Circuits + Lab	4
EP217 - Math Methods for PH&EP	3
PH247 - Modern Physics Laboratory	1
CORE	7
<b>TOTAL</b>	<b>15</b>

yr.3

*EP451/L OR **PH 365/L	4
^major elective (EP3xx or 4xx w/ lab)	4
PH347 - Advanced Laboratory	2
PH349 - Physics Seminar II	0
CORE	6
<b>TOTAL</b>	<b>16</b>

*PH315/L OR **PH 445/L	4
^major elective	3+
CORE	6
free elective	3
<b>TOTAL</b>	<b>16+</b>

yr.4

**PH 365/L OR *EP451/L	4
^major elective (EP3xx or 4xx w/ lab)	4
PH407 - Senior Research or Design	2
CORE	6
<b>TOTAL</b>	<b>16</b>

**PH 445/L OR *PH315/L	4
^major elective	3+
CORE	6
<b>TOTAL</b>	<b>13+</b>

\* offered odd years only

\*\* offered even years only

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

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

PH 315/L - Classical Mechanics w/ workshop

PH 365/L - Electricity & Magnetism w/ workshop

PH 445/L - Quantum Mechanics w/ workshop

EP 451/L - Numerical Physics w/ workshop

major requirement

major support course

CORE

**overall total**

**120+**