

# BS in Interdisc. Physics (pre-med) 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
# BL 155/157 - Principles of Bio I + Lab	4
CORE	3
<b>TOTAL</b>	<b>16</b>

Course	CR
PH136/L - Physics 2 + Lab	5
MT136 - Calc & Analytic Geometry II	4
# BL 156/158 - Principles of Bio II + Lab	4
CORE	3
<b>TOTAL</b>	<b>16</b>

yr.2

PH246 - Modern Physics	3
PH348 - Physics Seminar I	0
MT233 - Calc + Analytic Geometry III	4
# CH141/3 - Gen Chemistry I + Lab	5
MT228 - Statistics for Bio. Sci. (QA)	3
<b>TOTAL</b>	<b>15</b>

EP260/L - Electronics Circuits + Lab	4
EP217 - Math Methods for PH&EP	3
PH247 - Modern Physics Laboratory	1
# CH142/144 - Gen Chemistry II + Lab	5
CORE	3
<b>TOTAL</b>	<b>16</b>

yr.3

*EP451/L OR **PH 365/L	4
PH349 - Physics Seminar II	0
# CH 221/223 - Organic Chem I + Lab	4
CORE	7
<b>TOTAL</b>	<b>15</b>

*PH315/L OR **PH 445/L	4
# CH 222/224 - Organic Chem II + Lab	4
SC 101 - Sociology (also Core Distr.)	3
CORE	6
<b>TOTAL</b>	<b>17</b>

yr.4

PH347 - Advanced Laboratory	2
# CH 435/437 Biochemistry I w/ Lab	4
CORE	9
<b>TOTAL</b>	<b>15</b>

PH408 - Senior Research or Design	2
PS 101 - Psychology	3
CORE	9
<b>TOTAL</b>	<b>14</b>

\* offered odd years only

\*\* offered even years only

# Either CH 141-4 or BL 155-8 can be taken in the first year; CH 141-4 is a prereq. for CH 221-4; BL 155-8 and CH 221-4 are prereqs. For Biochem.

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**

**124**