BS in Biomedical Physics (Intdsc. Phys.) 4 year sample plan

revised 5/27/22

	Fall		Spring	
yr.1	**Course**	**CR**	**Course**	**CR**
	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
	# BL 155/157 - Principles of Bio I + Lab	4	# BL 156/158 - Principles of Bio II + Lab	4
	CORE	3	CORE	3
	TOTAL	**15**	**TOTAL**	**15**
yr.2				
	EP 235 - Eng. Phys. Applications	3	PH 246 - Modern Physics	3
	PH 348 - Physics Seminar I	0	EP 260/L or EP 251	3-4
	MT233 - Calc + Analytic Geometry III	4	EP 217 or MT 234	3
	# CH141/3 - Gen Chemistry I + Lab	5	# CH142/144 - Gen. Chemistry II + Lab	5
	DATA 228 - Statistics for Bio. Sci. (QA)	3	CORE	3
	TOTAL	**15**	**TOTAL**	**17-18**
yr.3				
	*PH 315 OR **PH 445 (3rd or 4th yr)	3	*EP 325 OR **EP 365 (3rd or 4th yr)	3-4
	PH 349 - Physics Seminar II	0	EP 347 Eperimental Methods Lab	3
	# CH 221/223 - Organic Chem I + Lab	4	# CH 222/224 - Organic Chem II + Lab	4
	CORE	9	CORE	6
	TOTAL	**16**	**TOTAL**	**16-17**
yr.4				
	PH 407 - Senior Research or Design	2	SC 101 - Sociology (also Core Distr.)	3
	# CH 431 General Biochemistry	4	PS 101 - Psychology	3
	CORE	10	CORE	9
	TOTAL	**16**	**TOTAL**	**15**

* offered odd years only

** offered even years only

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

MT 234 - Intro to Differential Equation

EP 217 - Math Methods for Phys. & Engineering

EP 260/L - DC/AC Circuits + lab

EP 251 - Computation in Phys. & Engineering

PH 315 - Classical Mechanics

EP 365 - Electricity & Magnetism

PH 445 - Quantum Physics

EP 325 - Thermodynamics

major requirement
major support course
CORE

Optional pre-med requirements

miniumum overall total	**120**
overall total as shown	**125+**

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. SC 101 and PS 101 are not requirements of the Biomedical Physics track.