Physics, B.S. - Biophysics Subplan/Option: 120 units 2021-2022 Academic Year

		Fall	Units		Spring	Units	Comments
	Courses	Requirements/Comments	Onits	Courses	Requirements/Comments	Omes	Comments
	MAT 1140 Calculus I (B4) [FSpSu] (Success Marker)	Prereq: C or better in MAT 1050 and MAT 1060, MAT 1070, or appropriate score on MDTP or ALEKS placement test.	4	MAT 1150 Calculus II (B4) [FSpSu]	Prereq: MAT 1140, MAT 115B, MAT 1140C, AP Calc AB >=3, or AP Calc BC >=3.	4	[] = Term Typically Offered F = Fall Sp = Spring Su = Summer e = even years o = odd years
	CHM 1210 General Chemistry I (B1) [FSpSu]	Prereq: SAT Math>=550; ACT Math>=23; C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, Coreq: CHM 1210L.	3	PHY 1510 Introduction to Newtonian Mechanics (B1) [FSp]	Prereq: C- or better in MAT 114, MAT 1140, MAT 1140C, MAT 115, MAT 116 or MAT 1150 . Coreq: PHY 1510L.	3	
Year 1	CHM 1210L General Chemistry Laboratory I (B3) [FSpSu]	Prereq: SAT Math>=550; ACT Math>=23; C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, Coreq: CHM 1210.	1	PHY 1510L Newtonian Mechanics Laboratory (B3) [FSp]	Coreq: PHY 1510.	1	
	GE Area E: Lifelong Learning and Self- Development [FSp]		3	GE Area A1: Oral Communication [FSP]		3	
	GE Area A2: Written Communication [FSp]		3	CHM 1220 General Chemistry II (B1) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220L.	3	
			0	CHM 1220L General Chemistry Laboratory II (B3) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220.	1	
			0			0	
			0			0	
]		Total Units	14		Total Units	15	

CalPoly Pomona

		Fall		Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments	Cints	Comments
	MAT 2140 Calculus III [FSpSu]	Prereq: MAT 116, MAT 214, MAT 1150, or MAT 1150C.	4	MAT 2250 Linear Algebra with Applications to Differential Equations [FSp] (Success Marker)	Prereq: MAT 116, MAT 1150, or MAT 1150C.	4	
	PHY 1520 Introduction to Electromagnetism and Circuits [FSp]	Prereq: C- or better in MAT 115 or MAT 1150; and C- or better in PHY 132, PHY 132B, PHY 1510B or PHY 1510. Coreq: PHY 1520L.	3	PHY 2530 Introduction to Electromagnetic Radiation and Special Relativity [FSp]	Prereq: C- or better in MAT 116 or MAT 1150; and C- or better in PHY 123, PHY 133, PHY 1220, or PHY 1520. Coreq: PHY 2530A.	2	
Year 2	PHY 1520L Introductory Laboratory on Electromagnetism and Circuits [FSp]	Coreq: PHY 1520.	1	PHY 2530A Electromagnetic Radiation and Special Relativity Recitation Activity [FSp]	Coreq: PHY 2530.	1	
Υ	BIO 1210 Foundations of Biology: Energy, Matter, and Information (B2) [FSp]	Coreq: BIO 1210L.	3	PHY 2530L Introductory Laboratory on Electromagnetic Radiation and Special Relativity [FSp]	Coreq: PHY 2530.	1	a
	BIO 1210L Foundations of Biology: Energy, Matter, and Information Laboratory (B3) [FSp]	Coreq: BIO 1210.	1	BIO 1220 Foundations of Biology: Evolution, Ecology, and Biodiversity [FSp]	Coreq: BIO 1220L.	3	
	GE Area A3: Critical Thinking [FSp]		3	BIO 1220L Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory [FSp]	Coreq: BIO 1220.	1	

		0	Option Electives [FSp]	MAT 2010/L Introduction to Computational Methods in Mathematics/Laboratory or CS 1260 Python for Beginners	3	
		0			0	
	Semester Total Units	15		Semester Total Units	15	



	Fall		Units	nits		Units	Comments
	Courses	Requirements/Comments	Units	Courses	Requirements/Comments	Units	Comments
	PHY 2540 Introduction to Thermal and Quantum Physics [FSp]	Prereq: C- or better in PHY 234 or PHY 2530. Coreq: PHY 2540A.	2	Option Electives [FSp]	Select from Curriculum Sheet	4	
	PHY 2540A Thermal and Quantum Physics Recitation Activity [FSp]	Coreq: PHY 2540.	1	Option Electives [FSp]	Select from Curriculum Sheet	3	
3	PHY 2540L Introductory Laboratory on Thermal and Quantum Physics [FSp]	Coreq: PHY 2540.	1	Option Electives [FSp]	Select from Curriculum Sheet	3	
Year	PHY 3600 Mathematical Methods of Physics I [FSp]	Prereq: C- or better in MAT 216 or MAT 2250. Coreq: PHY 2540 and PHY 3600A.	3	GE Area C2: Literature, Modern Languages, Philosophy and Civilization [FSp]		3	
	PHY 3600A Mathematical Methods of Physics I Recitation Activity [FSp]	Coreq: PHY 3600.	1	GE Area D2: U.S. Constitution and California Government [FSp]	m	3	
	GE Area F: Ethnic Studies [FSp]		3			0	
	GE Area D1: U.S. History American Ideals [FSp]		3			0	
		Semester Total Units	0 14		Semester Total Units	0 16	

Fall		Units	Spring		Units	Comments
Courses	Requirements/Comments	Units	Courses	Requirements/Comments	Units	Comments
PHY 4330 Thermal and Statistical Physics [F]	Prereq: C- or better in PHY 235 or PHY 2540; C- or better in MAT 214 or MAT 2140; and C- or better in MAT 216 or MAT 2250. Coreq: PHY 4330A.	3	PHY 4630 Undergraduate Seminar [Sp]	Prereq: C- or better in PHY 235 or PHY 2540.	1	
PHY 4330A Thermal	Coreq: PHY 4330.		Option Electives [FSp]	Select from Curriculum Sheet		
and Statistical Physics		1			4	
Recitation Activity [F]						
Option Electives [FSp]	Select from Curriculum Sheet		GE Area B5: Science			
		2	and Technology		3	
			Synthesis [FSp]			
Option Electives [FSp]	Select from Curriculum Sheet	3	GE Area C3: Arts and Humanities Synthesis [FSp]		3	
GE Area C1 or GE Area C2 [FSp]	Prereq: Select either C1: Visual and Performing Arts or C2: Literature, Modern Languages, Philosophy and Civilization course	3	GE Area D4: Social Science Synthesis [FSp]		3	
GE Area C1: Visual and Performing Arts [FSp]		3	Unrestricted Elective		2	
		0			0	
		0			0	
File an application to gro	aduate					
	Semester Total Units	15		Semester Total Units	16	
				Total Units	120	