Physics, B.S. - General Subplan/Option: 120 units
Associate Degree Transfer, Physics, AS-T
2020-2021 Academic Year
Students should adhere to this recommended plan to ensure completion of 60 additional units.

	Fall		Units	Spring		Units	Comments
	Courses	**Requirements/Comments**		**Courses**	**Requirements/Comments**		
Year 1	MAT 2010 Introduction to Computational Methods in Mathematics [FSp]	Prereq: MAT 116 or MAT 1150.	2	PHY 3600 Mathematical Methods of Physics I [FSp]	Prereq: C- or better in MAT 216 or MAT 2250.	3	*Transfer students may take either PHY2540/L or PHY2530/L as needed based on transfer credit.*
	MAT 2010L Introduction to Computational Methods in Mathematics Laboratory [FSp]	Coreq: MAT 2010.	1	PHY 3600A Mathematical Methods of Physics I Recitation Activity [FSp]	Coreq: PHY 3600.	1	
	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,	3	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	
	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,	1	PHY 4330A Thermal and Statistical Physics Recitation Activity [F]		1	
	PHY 2530 Introduction to Electromagnetic Radiation and Special Relativity [FSp]	C- or better in MAT 116 or MAT 1150; and C- or better in PHY 123, PHY 133, PHY 1220, or PHY 1520.	3	PHY 4140 Electricity and Magnetism I [Sp]	Prereq: C- or better in PHY 309 or PHY 3600.	3	
	PHY 2530L Introductory Laboratory on Electromagnetic Radiation and Special Relativity [FSp]		1	PHY 4140A Electricity and Magnetism I Recitation Activity [Sp]		1	
	MAT 2250 Linear Algebra with Applications to Differential Equations [FSpSu]	Prereq: MAT 116, MAT 1150, or MAT 1150C.	4			3	
		Total Units	**15**		**Total Units**	**15**	

	Fall		Units	Spring		Units	Comments
	Courses	**Requirements/Comments**		**Courses**	**Requirements/Comments**		
Year 2	PHY 3210 Advanced Classical Mechanics [Sp]	Prereq: C- or better in PHY 2530; C- or better in MAT 201 or MAT 2010; and C- or better in MAT 216 or MAT 2250.	3	PHY 4630 Undergraduate Seminar [Sp]	Prereq: C- or better in PHY 235 or PHY 2540.	1	
	PHY 3210A Advanced Classical Mechanics Recitation Activity [Sp]	Coreq: PHY 3210.	1	Option Electives [FSp]	Select from Curriculum Sheet	4	
	PHY 4010 Quantum Mechanics I [F]	Prereq: C- or better in PHY 309 or PHY 3600. Coreq: PHY 4010A.	3	Option Electives [FSp]	Select from Curriculum Sheet	4	
	PHY 4010A Quantum Mechanics I Recitation Activity [F]		1	Option Electives [FSp]	Select from Curriculum Sheet	3	
	PHY 4140 Electricity and Magnetism I [Sp]	Prereq: C- or better in PHY 309 or PHY 3600.	3	PLS 4205 American Political Institutions and Behavior (D4, Amer. Ideals Part B) [FSp]	If American Ideals requirement has been satisfied by lower division transferred courses, take any D4 Social Science Synthesis course.	3	
	PHY 4140A Electricity and Magnetism I Recitation Activity [Sp]		1			0	
	HST 3340 History of American Institutions and Ideals, 1877-present (C3, Amer. Ideals Part A) [FSp]	If American Ideals requirement has been satisfied by lower division transferred courses, take any C3 Upper Division Arts and Humanities Synthesis course.	3			0	
	File an application to graduate						
		Semester Total Units	**15**		**Semester Total Units**	**15**	
					Total Units	**60**	