BS Physics - 4 year plan

		Fall	Pre-req courses	units	Term offered			Spring	Pre-req courses	units	Term offered
Year 1	MATH 2210	Calculus I	MATH 1401 or satisfactory score on placement exam	4	Fall & Spring	N	MATH 2220	Calculus II	Math 2210 with grade of C- or higher	4	Fall & Spring
	PHYS 1500	Tools for Physicists	none	3	Fall	F	PHYS 2500	General Physics I	MATH 2210 and co-req of MATH 2220	4	Fall & Spring
	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co- req of one of Math 1301, 1401, 1601, 2210, or 2220	4	Fall & Spring	F	PHYS 2500L	General Physics I Lab	MATH 2210 and co-reqs of MATH 2220 & PHYS 2500	1	Fall & Spring
	CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring			GE courses		6	Fall & Spring
		GE courses		3	Fall & Spring						
		Total units		15				Total units		15	
Year 2	MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring	N	MATH 2320	Multivariable Calculus	Math 2220 and Math 2310 both with grade of C- or higher	4	Fall & Spring
	PHYS 2510	General Physics II	PHYS 2500 & MATH 2220	4	Fall & Spring	F	HYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
	PHYS 2510L	General Physics II Lab	PHYS 2500, MPHYS 2500L, & MATH 2220 and co-req of PHYS 2510	1	Fall & Spring	F	PHYS 2700	Modern Physics	MATH 2310, PHYS 1500, PHYS 2510, PHYS 2510L & a co-req of MATH 2320	3	Spring
		GE courses		6	Fall & Spring			GE courses		6	Fall & Spring
		Total units		15				Total units		14	
Year 3	PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses	4	Fall	F	PHYS 3400		PHYS 3100 with a grade of C- or better & PHYS 2700 with a grade of C- or better or co-req of PHYS 2700	3	Spring
	PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall	F	PHYS 3500	Statistical and Thermal Physics	PHYS 2700 and PHYS 3100 both with a grade of C- or better	4	Spring
	PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall	F	PHYS 3800	Intermediate Physics Laboratory	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
		GE courses		3	Fall & Spring			PHYS Elective		3	Fall & Spring
								GE course		3	Fall & Spring
		Total units		14				Total units		15	
Year 4	PHYS 4400	Electricity & Magnetism II	PHYS 3400 with a grade of C- or better	3	Fall	F	PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
	PHYS 4700	Quantum Mechanics	PHYS 2700, PHYS 3100, PHYS 3200, and PHYS 3400 all with grades of C- or better in each course	4	Fall			PHYS Elective		3	Fall & Spring
		PHYS Elective		3	Fall & Spring			GE course		3	Fall & Spring
		GE courses		6	Fall & Spring			GE courses		6	Fall & Spring
		Total units		16				Total units		14	
							-				
								*Can be substituted by ASTR 4000 Observational Astronomy (WI)			

NOTES:

PHYS courses are in bold.

2. An additional 2 units of coursework of the student's choosing across the university will be required for graduation.

3. Plan averages 14-16 units per term. Taking less than this will require additional terms to graduate

Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:

GE Math (Area B4)

GE Physical Science (Area B1)

GE lab (Area B-lab)

1 out of 2 Writing Intensive courses - upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

BS Physics - Alternate 3 year plan

		Fall	Pre-req courses	units	Term offered		Spring	Pre-req courses	units	Term offered
Year 1	MATH 2220	Calculus II	Math 2210 with grade of C-	4	Fall & Spring	MATH 2320	Multivariable Calculus	Math 2220 and Math 2310 both	4	Fall & Spring
			or higher	•				with grade of C- or higher		
	MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring	PHYS 2510	General Physics II	PHYS 2500 & MATH 2220	4	Fall & Spring
	PHYS 1500	Tools for Physicists	none	3	Fall	PHYS 2510L	General Physics II Lab	PHYS 2500, MPHYS 2500L, & MATH 2220 and co-req of PHYS 2510	1	Fall & Spring
	PHYS 2500	General Physics I	MATH 2210 and co-req of MATH 2220	4	Fall & Spring	PHYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
	PHYS 2500L	General Physics I Lab	MATH 2210 and co-reqs of MATH 2220 & PHYS 2500	1	Fall & Spring	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co-req of one of Math 1301, 1401, 1601, 2210, or 2220	4	Fall & Spring
						CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring
		Total units		16			Total units		15	
V 0	PHYS 3100	Mathamatical Mathamatical	MATH 2320 with a grade of	4	Fall	PHYS 2700	Modern Physics	MATH 2310, PHYS 1500, PHYS	3	Contra
Year 2	PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses	4	Fall	PHYS 2/00	Modern Physics	MAIH 2310, PHYS 1500, PHYS 2510, PHYS 2510, PHYS 2510L & a co-req of MATH 2320	3	Spring
	PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall	PHYS 3400	Electricity & Magnetism	PHYS 3100 with a grade of C- or better & PHYS 2700 with a grade of C- or better or co-req of PHYS 2700	3	Spring
	PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall	PHYS 3800	Intermediate Physics Laboratory	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
		GE courses		3	Fall & Spring		GE courses		3	Fall & Spring
		Total units		14			Total units		11	
Year 3	PHYS 4400	Electricity & Magnetism II	PHYS 3400 with a grade of C- or better	3	Fall	PHYS 3500	Statistical and Thermal Physics	PHYS 2700 and PHYS 3100 both with a grade of C- or better	4	Spring
	PHYS 4700	Quantum Mechanics	PHYS 2700, PHYS 3100, PHYS 3200, and PHYS 3400 all with grades of C- or better in each course	4	Fall	PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
		PHYS Elective		3	Fall & Spring		PHYS Elective		3	Fall & Spring
		GE courses		3	Fall & Spring		PHYS Elective		3	Fall & Spring
		Total units		13			Total units		12	
							*Can be substituted by ASTR 4000 Observational Astronomy (WI)			
	NOTES:	1 DHVS courses are in hold	1		1		1	1		

NOTES:

- 1 DHVS courses are in hold
- 2. Students will still need to complete 42 units of GE credit to graduate. This includes the 9 units of GE shown above. At least 9 UD units of GE need to be completed at CSUSB, as shown above.
- 2. Above plan only advisable for students who have completed MATH 2210 & numerous GE units prior to starting year 1 on the 3 yr plan.
- 3. An additional 2 units of coursework of the student's choosing across the university will be required for graduation.
- 4. Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:
- GE Math (Area B4)
- GE Physical Science (Area
- GE lab (Area B-lab)
- 1 out of 2 Writing Intensive courses upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

BS Physics - 2 year plan

		Fall	Pre-req courses	units	Term offered		Spring	Pre-req courses	units	Term offered
Year 1	MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co-req of one of Math 1301, 1401, 1601, 2210, or 2220	4	Fall & Spring
	PHYS 1500	Tools for Physicists	none	3	Fall	CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring
	PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses	4	Fall	PHYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
	PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall	PHYS 3400		PHYS 3100 with a grade of C- or better & PHYS 2700 with a grade of C- or better or co-req of PHYS 2700	3	Spring
	PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall	PHYS 3800	Intermediate Physics Laborator	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
							GE courses		3	Fall & Spring
		Total units		18			Total units		14	
Year 2	PHYS 4400	Electricity & Magnetism II	PHYS 3400 with a grade of C- or better	3	Fall	PHYS 3500	Statistical and Thermal Physics	PHYS 2700 and PHYS 3100 both with a grade of C- or better	4	Spring
	PHYS 4700	Quantum Mechanics	PHYS 2700, PHYS 3100, PHYS 3200, and PHYS 3400 all with grades of C- or better in each course	4	Fall	PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
		PHYS Elective		3	Fall & Spring		PHYS Elective		6	Fall & Spring
		GE courses		3	Fall & Spring		GE courses		3	Fall & Spring
		Total units		13			Total units		15	
							*Can be substituted by ASTR 4000 Observational Astronomy (WI)			
	NOTES:	1 PHYS courses are in hold	ı							

NOTES:

- 1. PHYS courses are in bold.
- 2. Assumes student have transferred in with the Associate in Science Degree (AS-T) in Physics. Includes intro physics sequence through modern physics, year-long calculus sequence, and multivariable calculus, plus all lower division GEs.
- 3. An additional 2 units of coursework of the student's choosing across the university will be required for graduation.
- 4. Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:
- GE Math (Area B4)
- GE Physical Science (Area
- GE lab (Area B-lab)
- 1 out of 2 Writing Intensive courses upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

BA Physics - 4 year plan

		Fall	Pre-req courses	units	Term offered	,		Spring	Pre-req courses	units	Term offered
Year 1	MATH 2210	Calculus I	MATH 1401 or satisfactory	4	Fall & Spring		MATH 2220	Calculus II	Math 2210 with grade of C- or	4	Fall & Spring
	INPATIT 22 TO	Calculus I	score on placement exam	4	rail & Spillig		WATT 2220	Calculus II	higher	*	rail & Spility
	PHYS 1500	Tools for Physicists	none	3	Fall		PHYS 2500	General Physics I	MATH 2210 and co-req of MATH 2220	4	Fall & Spring
	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co- req of one of Math 1301, 1401, 1601, 2210, or 2220	4	Fall & Spring		PHYS 2500L	General Physics I Lab	MATH 2210 and co-reqs of MATH 2220 & PHYS 2500	1	Fall & Spring
	CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring			GE courses		6	Fall & Spring
		GE courses		3	Fall & Spring						
		Total units		15				Total units		15	
Year 2	MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring		MATH 2320	Multivariable Calculus	Math 2220 and Math 2310 both with grade of C- or higher	4	Fall & Spring
	PHYS 2510	General Physics II	PHYS 2500 & MATH 2220	4	Fall & Spring		PHYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
	PHYS 2510L	General Physics II Lab	PHYS 2500, MPHYS 2500L, & MATH 2220 and co-req of PHYS 2510	1	Fall & Spring		PHYS 2700	Modern Physics	MATH 2310, PHYS 1500, PHYS 2510, PHYS 2510L & a co-req of MATH 2320	3	Spring
		GE courses		6	Fall & Spring			GE courses		6	Fall & Spring
		Total units		15				Total units		14	
Year 3	PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses	4	Fall		PHYS 3400	Electricity & Magnetism	PHYS 3100 with a grade of C- or better & PHYS 2700 with a grade of C- or better or co-req of PHYS 2700	3	Spring
	PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall		PHYS 3500	Statistical and Thermal Physics	PHYS 2700 and PHYS 3100 both with a grade of C- or better	4	Spring
	PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall		PHYS 3800	Intermediate Physics Laborator	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
		GE courses		3	Fall & Spring			GE course		3	Fall & Spring
		Total units		14				Total units		12	
Year 4		PHYS Elective		3	Fall & Spring		PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
		GE courses		9	Fall & Spring			PHYS Elective		3	Fall & Spring
								GE course		9	Fall & Spring
		Total units		12				Total units		14	
								*Can be substituted by ASTR 4000 Observational Astronomy (WI)			
	NOTES:	PHYS courses are in bold	i e		•			*			

PHYS courses are in bold.

- 2. An additional 12 units of coursework of the student's choosing across the university will be required for graduation.
- 3. Plan averages 14-16 units per term. Taking less than this will require additional terms to graduate
- 4. Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:
- GE Math (Area B4)
- GE Physical Science (Area B1)
- GE lab (Area B-lab)
- 1 out of 2 Writing Intensive courses upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

BA Physics - Alternate 3 year plan

		Fall	Pre-req courses	units	Term offered		Spring	Pre-req courses	units	Term offered
Year 1	MATH 2220	Calculus II	Math 2210 with grade of C- or higher	4	Fall & Spring	MATH 2320	Multivariable Calculus	Math 2220 and Math 2310 both with grade of C- or higher	4	Fall & Spring
	MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring	PHYS 2510	General Physics II	PHYS 2500 & MATH 2220	4	Fall & Spring
	PHYS 1500	Tools for Physicists	none	3	Fall	PHYS 2510L	General Physics II Lab	PHYS 2500, MPHYS 2500L, & MATH 2220 and co-req of PHYS 2510	1	Fall & Spring
	PHYS 2500	General Physics I	MATH 2210 and co-req of MATH 2220	4	Fall & Spring	PHYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
	PHYS 2500L	General Physics I Lab	MATH 2210 and co-reqs of MATH 2220 & PHYS 2500	1	Fall & Spring	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co-req of one of Math 1301, 1401, 1601, 2210, or	4	Fall & Spring
						CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring
		Total units		16			Total units		15	
Year 2	PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics	4	Fall	PHYS 2700	Modern Physics	MATH 2310, PHYS 1500, PHYS 2510, PHYS 2510L & a co-req of MATH 2320	3	Spring
	PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall	PHYS 3400	Electricity & Magnetism	PHYS 3100 with a grade of C- or better & PHYS 2700 with a grade of C- or better or co-req of PHYS 2700	3	Spring
	PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall	PHYS 3800	Intermediate Physics Laborator	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
		GE courses		3	Fall & Spring		GE courses		3	Fall & Spring
		Total units		14			Total units		11	
								PHYS 2700 and PHYS 3100		
Year 3		PHYS Elective		6	Fall & Spring	PHYS 3500	Statistical and Thermal Physics	both with a grade of C- or better	4	Spring
		GE courses		3	Fall & Spring	PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
		Total units		9			Total units		6	
							*Can be substituted by ASTR 4000 Observational Astronomy (WI)			
		1								t
	NOTES:	1 BUVS sources are in help					L	l		L

NOTES: 1. PHYS courses are in bold.

- 2. Students will still need to complete 42 units of GE credit to graduate. This includes the 9 units of GE shown above. At least 9 UD units of GE need to be completed at CSUSB, as shown above.
- 2. Above plan only advisable for students who have completed MATH 2210 & numerous GE units prior to starting year 1 on the 3 yr plan.
- 3. An additional 12 units of coursework of the student's choosing across the university will be required for graduation.
- 4. Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:
- GE Math (Area B4)
- GE Physical Science (Area
- GE lab (Area B-lab)
- 1 out of 2 Writing Intensive courses upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

BA Physics - 2 year plan

	Fall	Pre-req courses	units	Term offered		Spring	Pre-req courses	units	Term offered
MATH 2310	Applied Linear Algebra	Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req	4	Fall & Spring	CHEM 2100	General Chemistry I	1 yr HS chemistry or equivalent AND pre- or co-req of one of Math 1301, 1401, 1601, 2210, or	4	Fall & Spring
PHYS 1500	Tools for Physicists	none	3	Fall	CHEM 2100L	General Chemistry I Laboratory	co-req of CHEM 2100	1	Fall & Spring
PHYS 3100	Mathematical Methods of Physics	MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses	4	Fall	PHYS 2600L	Introduction to Electronics	PHYS 2210 & MATH 2310	1	Spring
PHYS 3300	Computational Physics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	3	Fall	PHYS 3400		better & PHYS 2700 with a grade	3	Spring
					PHYS 3800	Intermediate Physics Laborator	PHYS 2600L, PHYS 2700, PHYS 3300 AND a co-req of PHYS 2700 & PHYS 2600L	2	Spring
						GE courses		3	Fall & Spring
	Total units		14			Total units		14	
PHYS 3200	Classical Mechanics	PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100	4	Fall	PHYS 3500	Statistical and Thermal Physics	PHYS 2700 and PHYS 3100 both with a grade of C- or better	4	Spring
	PHYS Elective		6	Fall & Spring	PHYS 4800	Senior Thesis (WI)*	PHYS 3200, PHYS 3400, and PHYS 3800	2	Spring
	GE courses		3	Fall & Spring		GE courses		3	Fall & Spring
	Total units		13			Total units		9	
						*Can be substituted by ASTR 4000 Observational Astronomy (WI)			
	PHYS 1500 PHYS 3100 PHYS 3300	MATH 2310 Applied Linear Algebra PHYS 1500 Tools for Physicists PHYS 3100 Mathematical Methods of Physics PHYS 3300 Computational Physics Total units PHYS 3200 Classical Mechanics PHYS Elective GE courses	MATH 2310 Applied Linear Algebra Math 2210 with grade of Cor higher, and Math 2220 as pre- or co-req PHYS 1500 Tools for Physicists none PHYS 3100 Mathematical Methods of Physics Physics MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses PHYS 3300 Computational Physics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 Total units PHYS 3200 Classical Mechanics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 PHYS Elective GE courses	MATH 2310	MATH 2310 Applied Linear Algebra Math 2210 with grade of Corb higher, and Math 2220 as pre- or co-req 4 Fall & Spring PHYS 1500 Tools for Physicists none 3 Fall PHYS 3100 Mathematical Methods of Physics MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses 4 Fall PHYS 3300 Computational Physics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 3 Fall Total units 14 Fall PHYS 3200 Fall & Spring PHYS Elective 6 Fall & Spring GE courses 3 Fall & Spring	MATH 2310 Applied Linear Algebra Math 2210 with grade of C- or higher, and Math 2220 as pre- or co-req 4 Fall & Spring CHEM 2100 PHYS 1500 Tools for Physicists none 3 Fall CHEM 2100L PHYS 3100 Mathematical Methods of Physics MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses Fall PHYS 2600L PHYS 3300 Computational Physics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 3 Fall PHYS 3400 PHYS 3200 Classical Mechanics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 4 Fall PHYS 3500 PHYS Elective 6 Fall & Spring PHYS 4800 GE courses 3 Fall & Spring PHYS 4800	MATH 2310 Applied Linear Algebra Math 2210 with grade of Corhigher, and Math 2220 as pre- or co-req PHYS 1500 Tools for Physicists none 3 Fall CHEM 2100L General Chemistry I Laboratory PHYS 3100 Mathematical Methods of Physics C (2.0) or higher, MATH 2320 with a grade of C (2.0) or higher, MATH 2310, PHYS 100, PHYS 2510, and a combined 2.0 GPC in 2000-level physics courses PHYS 3300 Computational Physics PHYS 2510, PHYS 2510, PHYS 2510, PHYS 3100 PHYS 3300 Intermediate Physics Laborator PHYS 3200 Classical Mechanics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510, PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 2510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100 PHYS 3200 Classical Mechanics PHYS 3510L, and a co-req of PHYS 3100L, and a co	MATH 2310 Applied Linear Algebra Math 2210 with grade of Cord righer, and Math 2220 gas pre- or co-req of one of say pre- or co-req of one of Math 301, 1401, 1601, 1201, 2210, or Math 2100 Math 301, 1401, 1601, 1201, 2210, or Math 2100 Math 1301, 1401, 1601, 1201, 2210, or Math 2100 Math 1301, 1401, 1601, 1201, 2210, or Math 2100, 1201, or Math	MATH 2310 Applied Linear Algebra Math 2210 with grade of Cort higher, and Math 2220, as pre- or co-req of one of watch 1220, or higher, and Math 2220, or higher, MaTh 2310, o

NOTES:

- PHYS courses are in bold.
- 2. Assumes student have transferred in with the Associate in Science Degree (AS-T) in Physics. Includes intro physics sequence through modern physics, year-long calculus sequence, and multivariable calculus, plus all lower division GEs.
- 3. An additional 12 units of coursework of the student's choosing across the university will be required for graduation.
- 4. Completing the requirements of the BS Physics will simultaneously satisfy the following GE requirements:
- GE Math (Area B4)
- GE Physical Science (Area
- GE lab (Area B-lab)
- 1 out of 2 Writing Intensive courses upper division (this leaves 1 writing intensive course of the student's choosing upper or lower division

Elective Courses

	Course	Pre-req courses	units	Term offered
PHYS 3600	Data Acquisition and	PHYS 2600L, PHYS 3100,	2	Spring
	Control	PHYS 3300		
PHYS 4600	Electronics	PHYS 3600	3	
PHYS 4851-3	Special Topics in Physics	depends on the topic	1-3	
PHYS 4851L-2L	Special Topics in Physics	depends on the topic	1-3	
PHYS 5100	Mathematical Methods of Physics II	PHYS 3100	3	
PHYS 5400	Optics	PHYS 4400	3	Spring
PHYS 5500	Solid State Physics	PHYS 4700	3	Spring
PHYS 5700	Quantum Mechanics II	PHYS 4700 with grade of C	3	Spring
		(2.0) or better		
PHYS 5751-3	Internship	.	1-3	Fall & Spring
PHYS 5851-3	Special Topics in Physics	depends on the topic	1-3	
PHYS 5851L-2L	Special Topics in Physics	depends on the topic	1-3	
PHYS 5951-3	Independent Study		1-3	Fall & Spring
ASTR 2300	Introduction to Astronomy for Scientists*	PHYS 2510, PHYS 2510L	4	Spring
ASTR 3300	Astrophysics of Planetary Systems	ASTR 2300	3	
ASTR 3310	Astrophysics of Galaxies and Cosmology	ASTR 2300	3	
ASTR 4000	Observational Astronomy (WI)	ASTR 2300, PHYS 3300 or other programming course	3	Fall
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* Does not count as an elective towards the BA or courses are not BS physics, but is a prereq for ASTR 3300, ASTR each year, but a selection of electives will be offered which are approved electives for those ** Specific elective*

** Specific elective*

guarenteed to be offered each year, but a selection of electives will be offered each year at the discretion of the