

## BS Physics course planning guide

Year	Semester	Type	Subject	Code	Course Title	Total credit	
19-20	Fall	ACE	ENGL	115	College Writing I	3	
		ACE	FTES	-	Fitness: consult bulletin for ACE-approved options	1	
		ACE	HLED	120	Fit for Life	1	
		ACE	RELT	100	God and Human Life	3	
		Cognate	CHEM	131	General Chemistry I	4	
		Cognate	MATH	191	Calculus I	4	
		Major requirement	PHYS	277	Physics Colloquium	0	
	<b>Fall Total</b>						<b>16</b>
	Spring	ACE	COMM	104	Communication Skills	3	
		ACE	FTES	-	Fitness: consult bulletin for ACE-approved options	1	
		Cognate	CHEM	132	General Chemistry II	4	
		Cognate	CPTR	151	Computer Science I	3	
		Cognate	MATH	192	Calculus II	4	
		Major requirement	PHYS	277	Physics Colloquium	0	
Optional		PHYS	478	Study Tour: APS Convention	0		
<b>Spring Total</b>						<b>15</b>	
<b>19-20 Total</b>						<b>31</b>	
20-21	Fall	ACE	ENGL	215	College Writing II	3	
		ACE	FTES	-	Fitness: consult bulletin for ACE-approved options	1	
		Cognate	MATH	215	Introduction to Linear Algebra	3	
		Cognate	MATH	240	Calculus III	4	
		Major requirement	PHYS	241	Physics for Scientists and Engineers I	4	
		Major requirement	PHYS	271	Physics for Scientists and Engineers Laboratory I	1	
		Major requirement	PHYS	277	Physics Colloquium	0	
	<b>Fall Total</b>						<b>16</b>
	Spring	ACE	BHSC	100	Philosophy of Service	2	
		ACE	-	-	Religion: consult bulletin	3	
		Cognate	MATH	286	Differential Equations	3	
		Major requirement	PHYS	242	Physics for Scientists and Engineers II	4	
		Major requirement	PHYS	272	Physics for Scientists and Engineers Laboratory II	1	
		Major requirement	PHYS	277	Physics Colloquium	0	
Major requirement		PHYS	311	Classical Mechanics I	3		
Optional	PHYS	478	Study Tour: APS Convention	0			
<b>Spring Total</b>						<b>16</b>	
<b>20-21 Total</b>						<b>32</b>	
21-22	Fall	ACE	-	-	Religion: consult bulletin	3	
		ACE	-	-	Social Sciences: consult bulletin for ACE-approved options	3	
		ACE	HIST	-	History: consult bulletin for ACE-approved options	3	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	431	Electricity and Magnetism I	3	
		Major requirement	PHYS	330	Thermodynamics and Statistical Mechanics	3	
		<b>Fall Total</b>					
	Spring	ACE	-	-	Religion: consult bulletin	3	
		ACE	HIST	-	History: consult bulletin for ACE-approved options	3	
		Elective	-	-	Elective	3	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	377	Advanced Physics Laboratory I	1	
		Major requirement: elective	PHYS	-	PHYS 300 and above: elective(s) selected with your advisor	6	
		Optional	PHYS	478	Study Tour: APS Convention	0	
<b>Spring Total</b>						<b>16</b>	
<b>21-22 Total</b>						<b>31</b>	
22-23	Fall	ACE	-	-	Fine Arts/Humanities: consult bulletin for ACE-approved options	3	
		ACE	-	-	Social Sciences: consult bulletin for ACE-approved options	3	
		Elective	-	-	Elective	3	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	481	Quantum Mechanics I	3	
		Major requirement: elective	PHYS	-	PHYS 300 and above: elective(s) selected with your advisor	3	
		<b>Fall Total</b>					
	Spring	ACE	-	-	Fine Arts/Humanities: consult bulletin for ACE-approved options	3	
		Elective	-	-	Elective	4	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	477	Advanced Physics Laboratory II	1	
		Major requirement	PHYS	495	Physics Research	1	
		Major requirement: elective	PHYS	-	PHYS 300 and above: elective(s) selected with your advisor	6	
		Optional	PHYS	478	Study Tour: APS Convention	0	
<b>Spring Total</b>						<b>15</b>	
<b>22-23 Total</b>						<b>30</b>	
<b>Grand Total</b>						<b>124</b>	