

BS Physics course planning guide

Year	Semester	Type	Subject	Code	Course Title	Total credits	
23-24	Fall	ACE	ENGL	115	College Writing I (or ENGL 115 College Writing I: Writing Across Cultures)	3	
		ACE	HLED	135	Wellbeing 360	1	
		ACE	RELT	100	God and Human Life (or RELB 210 Jesus in His Time and Ours)	3	
		Cognate	CHEM	131	General Chemistry I	4	
		Cognate	MATH	191	Calculus I	4	
		Major requirement	PHYS	277	Physics Colloquium	0	
	Fall Total						15
	Spring	ACE	COMM	104	Communication Skills	3	
		Cognate	CHEM	132	General Chemistry II	4	
		Cognate	CPTR	151	Computer Science I	3	
		Cognate	MATH	192	Calculus II	4	
		Elective	-	-	Elective	1	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Optional	PHYS	478	Study Tour: APS Convention	0	
	Spring Total						15
23-24 Total						30	
24-25	Fall	ACE	ENGL	215	College Writing II	3	
		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	
	Fall Total						15
	Spring	ACE	-	-	Religion: consult bulletin	3	
		Cognate	MATH	286	Differential Equations	3	
		Elective	-	-	Elective	2	
		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	
Spring Total						16	
24-25 Total						31	
25-26	Fall	ACE	-	-	Religion: consult bulletin	3	
		ACE	-	-	Social Sciences: consult bulletin for ACE-approved options	3	
		ACE	HIST	110	Worldviews, Cultures, and Gods	3	
		Elective	-	-	Elective	1	
		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	
	Fall Total						16
	Spring	ACE	-	-	Religion: consult bulletin	3	
		ACE	-	-	Arts and Humanities: 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	
Spring Total						16	
25-26 Total						32	
26-27	Fall	ACE	-	-	Social Sciences: consult bulletin for ACE-approved options	3	
		ACE	-	-	Arts and Humanities: 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		
	Fall Total						15
	Spring	ACE	-	-	Religion: consult bulletin	3	
		Elective	-	-	Elective	1	
		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			
Spring Total						12	
26-27 Total						27	
Grand Total						120	