

BS Biophysics 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	3	
		Cognate	MATH	191	Calculus I	4	
		Major requirement	BIOL	165	Foundations of Biology (consult bulletin for important footnote)	5	
		Major requirement	PHYS	277	Physics Colloquium	0	
	Fall Total						15
	Spring	ACE	COMM	104	Communication Skills	3	
		ACE	RELT	100	God and Human Life (or RELB 210 Jesus in His Time and Ours)	3	
		Cognate	MATH	192	Calculus II	4	
		Major requirement	BIOL	166	Foundations of Biology (consult bulletin for important footnote)	5	
		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	-	-	Religion: consult bulletin	3
Cognate			CHEM	131	General Chemistry I	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	
Recommended elective			SOCI	119	Principles of Sociology (pre-med recommended)	3	
Fall Total						15	
Spring		Cognate	CHEM	132	General Chemistry II	4	
		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		
Spring Total						15	
24-25 Total						30	
25-26	Fall	ACE	-	-	Religion: consult bulletin	3	
		Cognate	CHEM	231	Organic Chemistry I	3	
		Cognate	CHEM	241	Organic Chemistry Laboratory I	1	
		Elective	-	-	Elective	1	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	330	Thermodynamics and Statistical Mechanics	3	
		Major requirement	PHYS	431	Electricity and Magnetism I	3	
	Fall Total						14
	Spring	ACE	ENGL	215	College Writing II	3	
		ACE	HIST	110	Worldviews, Cultures, and Gods	3	
		ACE	PSYC	101	Introduction to Psychology (pre-med recommended)	3	
		Cognate	CHEM	232	Organic Chemistry II	3	
		Cognate	CHEM	242	Organic Chemistry Laboratory II	1	
		Major requirement	BIOL	372	Cell and Molecular Biology	3	
		Major requirement	PHYS	277	Physics Colloquium	0	
Major requirement		PHYS	377	Advanced Physics Laboratory I	1		
Optional	PHYS	478	Study Tour: APS Convention	0			
Spring Total						17	
25-26 Total						31	
26-27	Fall	ACE	-	-	Arts and Humanities: consult bulletin for ACE-approved options	3	
		Major requirement	BCHM	421	Biochemistry I	4	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Recommended elective	MATH	215	Introduction to Linear Algebra	3	
		Recommended elective	MATH	240	Calculus III	4	
	Fall Total						14
	Spring	ACE	-	-	Religion: consult bulletin	3	
		ACE	-	-	Arts and Humanities: consult bulletin for ACE-approved options	3	
		Major requirement	PHYS	277	Physics Colloquium	0	
		Major requirement	PHYS	316	Biophysics	3	
		Major requirement	PHYS	495	Physics Research	1	
		Optional	PHYS	478	Study Tour: APS Convention	0	
		Recommended elective	BCHM	422	Biochemistry II	4	
		Recommended elective	BCHM	430	Biochemistry Lab	1	
		Spring Total					
26-27 Total						29	
Grand Total						120	