

BS Biophysics course planning guide

Year	Semester	Type	Subject Code	Course Title	Total credits		
19-20	Fall	ACE	ENGL 115	College Writing I	3		
		ACE	HLED 120	Fit for Life	1		
		ACE	RELT 100	God and Human Life	3		
		Cognate	MATH 191	Calculus I	4		
		Major requirement	PHYS 277	Physics Colloquium	0		
		Major requirement	BIOL 165	Foundations of Biology (consult bulletin for important footnote)	5		
	Fall Total					16	
	Spring	ACE	COMM 104	Communication Skills	3		
		ACE	-	Fitness: consult bulletin for ACE-approved options	1		
		ACE	PSYC 101	Introduction to Psychology (pre-med recommended)	3		
		Cognate	MATH 192	Calculus II	4		
		Major requirement	PHYS 277	Physics Colloquium	0		
		Major requirement	BIOL 166	Foundations of Biology (consult bulletin for important footnote)	5		
	Optional					0	
	Spring Total					16	
	19-20 Total					32	
20-21	Fall	ACE	FTES -	Fitness: consult bulletin for ACE-approved options	1		
		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					16
	Spring	ACE	FTES -	Fitness: consult bulletin for ACE-approved options	1		
		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					16		
20-21 Total					32		
21-22	Fall	ACE	BHSC 100	Philosophy of Service	2		
		ACE	-	Religion: consult bulletin	3		
		Cognate	CHEM 241	Organic Chemistry Laboratory I	1		
		Cognate	CHEM 231	Organic Chemistry I	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		
		Fall Total					15
	Spring	ACE	ENGL 215	College Writing II	3		
		ACE	HIST -	History: consult bulletin for ACE-approved options	3		
		Cognate	CHEM 242	Organic Chemistry Laboratory II	1		
		Cognate	CHEM 232	Organic Chemistry II	3		
		Elective	-	Elective	1		
		Major requirement	PHYS 277	Physics Colloquium	0		
		Major requirement	PHYS 377	Advanced Physics Laboratory I	1		
		Major requirement	BIOL 372	Cell and Molecular Biology	3		
Optional	PHYS 478	Study Tour: APS Convention	0				
Spring Total					15		
21-22 Total					30		
22-23	Fall	ACE	-	Fine Arts/Humanities: consult bulletin for ACE-approved options	3		
		Major requirement	PHYS 277	Physics Colloquium	0		
		Major requirement	BCHM 421	Biochemistry I	4		
		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	-	Fine Arts/Humanities: consult bulletin for ACE-approved options	3		
		ACE	-	Social Sciences: consult bulletin for interdisciplinary list	3		
		ACE	HIST -	History: consult bulletin for ACE-approved options	3		
		Major requirement	PHYS 277	Physics Colloquium	0		
		Major requirement	PHYS 495	Physics Research	1		
		Major requirement	PHYS 316	Biophysics	3		
		Optional	PHYS 478	Study Tour: APS Convention	0		
		Spring Total					16
		22-23 Total					30
Grand Total					124		