

BS_270G College of Arts and Sciences Department of Physics & Astronomy 2024-2025

This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of guide require special attention.

Course Subject and Title	Credit	Min.	Included in Maior	Important Notes
Course Subject and Title	Hours	Grade Required	GPA	POS = Program of Study

		Semest	er One: [1	4-15 Credit Hours]
RC 1000	3			May take in fall or spring semester of first year
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
PHY 1123/1113 or 1170/1160 (Recommended)	4-5	C-	Х	Also counts in Gen Ed Science Inquiry requirement (For PHY 1123/1113, CO: MAT 1020 or MAT 1025 or the equivalent. For PHY 1170/1160, CO: MAT 1110)
MAT 1110	4	C-	х	Also meets Gen Ed Quantitative Literacy requirement (<i>PRE: MAT 1025 or equivalent test score</i>). If PHY 1123/1113 is chosen above and MAT 1020 or 1025 is chosen here, you will need to consult with your advisor regarding adjustment of your Math requirements for your degree plan.
		Semeste	er Two: [1	.4-15 Credit Hours]
UCO 1200	3			May take in fall or spring semester of first year
PHY 1124/1114 or 1180/1161 (Recommended)	4-5	C-	Х	Also counts in Gen Ed Science Inquiry requirement
MAT 1120	4	C-	Х	
Integrative Learning Experience Course 1	3			
		Semest	ter Three:	[16 Credit Hours]
RC 2001	3			May take in fall or spring of sophomore year
Gen Ed Wellness Literacy	1			
PHY 2010	4	C-	Х	
MAT 2130	4		Х	
PHY 2110	3	С	Х	Min. grade C required for some upper level PHY courses
PHY 2005	1		Х	
		Semes	ter Four:	[16 Credit Hours]
PHY 2020	4	С	Х	Min. grade C required for some upper level PHY courses
Emphasis Area Course 1	3		x	Your Emphasis Area is made up of courses drawn from one or more disciplines, departments or programs, with a single coherent focus in one of the following areas: Biology, Chemistry, Computer Science, Geology, Mathematics, Medical Physics or Statistics. Students will need to coordinate their emphasis area selection and course options with their departmental advisor. (Total 24 hours)
Emphasis Area Course 2	3		Х	See Emphasis Area note above.
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation
		+	1	+



BS, Physics, Interdisciplinary Science

BS_270G

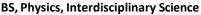
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Course subject and fitte	Hours	Required	GPA	POS = Program of Study

		Semester Five:	[16 Credit Hours]
Emphasis Area Course 3	3	Х	See Emphasis Area in semester four.
PHY Electives Course 1	3	Х	Physics area on POS; A total of 9 hours required for students who took PHY 1170/1160 & 1180/1161 sequence; (A total of 11 hours required for students who took PHY 1123/1113 & 1124/1114 sequence); See notes at the end of this guide for recommendations.
Integrative Learning Experience Course 2	3		HS or LS or FA or SS Designation
Gen Ed Wellness Literacy	1		
Free Elective	3		
Free Elective	3		
		Semester Six: [1	L5-16 Credit Hours]
PHY 3310	3	Х	[WID] (CO: PHY 2020) (Spring Only)
Emphasis Area Course 4	3	X	See Emphasis Area in semester four.
PHY Electives Course 2	3-4	х	Physics area on POS; A total of 9 hours required for students who took PHY 1170/1160 & 1180/1161 sequence; (A total of 11 hours required for students who took PHY 1123/1113 & 1124/1114 sequence.) See notes at the end of this guide for recommendations.
Liberal Studies Experience Course 3	3		
Free Elective	3		
		Semester Seven:	[15-16 Credit Hours]
Emphasis Area Course 5	3	Х	See Emphasis Area in semester four.
Emphasis Area Course 6	3	Х	See Emphasis Area in semester four.
PHY Electives Course 3	3-4	Х	Physics area on POS; A total of 9 hours required for students who took PHY 1170/1160 & 1180/1161 sequence; (A total of 11 hours required for students who took PHY 1123/1113 & 1124/1114 sequence.) See notes at the end of this guide for recommendations.
Integrative Learning Experience Course 3	3		
Liberal Studies Experience Course 4	3		HS or LS or FA or SS Designation
		Semester Eight:	[10-15 Credit Hours]
PHY 4210	4	X	CAPSTONE
Emphasis Area Course 7	3	X	See Emphasis Area in semester four.
Emphasis Area Course 8	3	Х	See Emphasis Area in semester four.
Free Elective	0-5*		Take enough hours to meet the minimum 120 required to graduate





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ı	Course Subject and Title	Cicuit	Grade	in Maior	important Notes
	course subject and ritle	Hours		- , -	POS = Program of Study
ı		110415	Required	GPA	1 Co Trogram Crotady

General Require	ments Summa	ry			
Minimum Gen Ed.			Minimum		
Total Hours	Hours Writing		Major GPA	Overall GPA	
120	44	RC 1000 and RC 2001	2.0	2.0	

All PHY & AST courses and all courses in Major Requirements area on Program of Study count in the major GPA.

General Education Program Model - 44 Semester Hours Total				
Program Categories	Hours	Important Notes – Be sure to check for Gen Ed courses required in your major		
First Year Seminar	3	Can be taken first or second semester of freshman year		
Wellness Literacy	2			
Quantitative Literacy	4			
First Year Writing	3	Can be taken first or second semester of freshman year		
Sophomore Writing	3			
Integrative Learning Experience	9	Must choose a minimum of two disciplines		
Liberal Studies Experience	12	Must choose a minimum of three disciplines		
Science Inquiry	8			

You must also meet the Fine Arts, Literary Studies, Historical Studies, and the Social Science Designations. Those may be met within the Integrative Learning Experience and the Liberal Studies Experience.

Additional Notes:

- The Interdisciplinary Science emphasis area is made up of courses drawn from one or more disciplines, departments or
 programs, with a single coherent focus in one of the following areas: Biology, Chemistry, Computer Science, Geology,
 Mathematics, Medical Physics or Statistics. Students will need to coordinate their emphasis area selection and course
 options with their departmental advisor.
- Please consult with your advisor to ensure you will complete the appropriate number of free electives as needed to reach the 120 total hours required for your degree.
- Residency Requirements:
 - 30 hours must be from Appalachian State University
 - 18 hours in the major must be from Appalachian State University
 - o 9 hours in the minor must be from Appalachian State University