

**Physics**  
**Degree: Bachelor of Science**  
**Major: Physics**  
**2023-2024**

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. A minimum of 124 credit hours, of which 45 hours must be upper division credit (3000-4000 level), is required for this degree (developmental courses are excluded). Mandatory state and institutional assessment exams will be required during your degree program.

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
PHSC 1003	First Year Experience Course	3		CS 2114	Structured Programming I	4	
ENG 1003	Composition I	3	X	ENG 1013	Composition II	3	X
MATH 2204	Calculus I	4	X	PHYS 2044	University Physics II	4	
PHYS 2034	University Physics I	4	X	MATH 2214	Calculus II	4	
elective	elective	1					
Total Hours		15		Total Hours		15	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Gen Educ	General education required course	3	X	elective	elective	2	
Gen Educ	General education required course	3	X	CHEM 1013	Chemistry I	3	
PHYS 3153	Mechanics	3		CHEM 1011	Chemistry I Lab	1	
PHYS 3303	Modern Physics	3		PHYS 3203	Electromagnetic Theory	3	
MATH 3254	Calculus III	4		MATH 4403	Differential Equations	3	
				Gen Educ	General education required course	3	X
Total Hours		16		Total Hours		15	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIOL 2013	Biology of the Cell	3	X	PHYS 4353	Mathematical Physics	3	
BIOL 2011	Biology of the Cell Lab	1	X	PHYS 3253	Optics	3	
Gen Educ	General education required course	3	X	SCOM 1203	Oral Communication	3	X
CHEM 1023	Chemistry II	3		Elective	elective	3	
CHEM 1021	Chemistry II Lab	1		Elective	elective	3	
PHYS 459V (V=2)	Research in Physics	2					
Elective	elective	2					
Total Hours		15		Total Hours		15	

Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Elective	elective	2		PHYS 4693	Research in Physics - Capstone	3	
Elective	elective	3		PHYS 3103	Thermal Physics	3	
Elective	elective	3		PHYS 4553	Quantum Mechanics	3	
Elective	elective	3		Elective	elective	3	
Gen Educ	General education required course	3	X	Elective	elective	3	
Total Hours		14		Total Hours		15	

**Total Jr/Sr Hours** **45** **Total Degree Hours** **120**

**Graduation Requirements:**

Completion of HIST 2763 or HIST 2773 or POSC 2103  
 Completion of SCOM 1203  
 English Proficiency (Grade of C or better in ENG 1003 and ENG 1013)  
 2.00 GPA in Major  
 2.00 GPA at ASU  
 2.00 GPA Overall  
 Maximum of 31 credit hours via correspondence/extension/examination//PLA/Military/CLEP (30 hrs) or similar means  
 45 JR/SR Hours after completing 30 hours  
 120 Total Credit Hours  
 18 of last 24 hours must be ASU-Jonesboro courses  
 Minimum of 57 hours from 4-year institutions  
 32 Resident Hours if completing second degree

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