

Physics
Degree: Bachelor of Science
Major: Physics
2011-2012

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				
MATH 2204	Calculus I	4	X	ENG 1013	Composition II	3	X
PE 1002	Concepts of Fitness	2	X	PHYS 2044	University Physics II	4	
PHYS 2034	University Physics I	4	X	MATH 2214	Calculus II	4	
Total Hours		16		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
PHIL 1103 or 1503 or SCOM 1203	Intro to Philosophy or Logic & Practical Reasoning or Oral Communications (Critical Think req.)	3	X	PHYS 3103	Thermal Physics	3	
HIST 1013 or 1023	World Civ. to 1660 or since 1660	3	X	ART, MUS or THEA 2503	Fine Arts Visual, Musical or Theatre	3	X
PHYS 3153	Mechanics	3		CHEM 1013	Chemistry I	3	
PHYS 3303	Modern Physics	3		CHEM 1011	Chemistry I Lab	1	
MATH 3254	Calculus III	4		PHYS 3203	Electromagnetic Theory	3	
				MATH 4403	Differential Equations	3	
Total Hours		16		Total Hours		16	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
HIST 2763 OR 2773 or POSC 2103	US to 1876 or since 1876 OR Intro to US Government	3	X	PHYS 4353	Mathematical Physics	3	
BIOL 1013	Biology of the Cell	3	X	PHYS 3253	Optics	3	
BIOL 1021	Biology of the Cell Lab	1	X	Elective	Upper Division - Student's Choice	3	
CHEM 1023	Chemistry II	3		Social Sci.	Course not previously taken in this category - See Gen Ed List	3	X
CHEM 1021	Chemistry II Lab	1		Arts & Humanities	Course not previously taken in this category - See Gen Ed List	3	X
PHYS 3272	Physical Instrumentation I	2		Elective	Upper Division - Student's Choice	3	

Social Sci.	Course not previously taken in this category - See Gen Ed List	3	X				
Total Hours		16		Total Hours		18	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Elective	Upper Division - Student's Choice	3		Elective	Upper Division - Student's Choice	3	
Elective	Upper Division - Student's Choice	3		PHYS 4693	Research in Physics - Capstone	3	
PHYS 3282	Physical Instrumentation II	2		Elective	Upper Division - Student's Choice	1	
Arts & Humanities	Course not previously taken in this category - See Gen Ed List	3	X	PHYS 4553	Optics or Quantum Mechanics	3	
Foreign Language		3		Foreign Language		3	
Total Hours		14		Total Hours		13	

Total Jr/Sr Hours	45	Total Degree Hours	124
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Graduation Requirements:

Completion of HIST 2763 or HIST 2773 or POSC 2103

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

124 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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