

**Physics (B.A.)**  
(Department of Mathematical Sciences)

Major Requirements

<u>Major Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
[MATH 111] Calculus I	4-7	
(or [MATH 109] Calculus I, Part 1 (4) and [MATH 110] Calculus I, Part II (3))		
[MATH 112] Calculus II	4	
[MATH 211] Calculus III	4	
[MATH 261] Linear Algebra	3	
[MATH 308] Differential Equations	3	
[STAT 291] Statistics for Mathematical Sciences	3	
[COSC 181] Computer Programming I	3	
[PHYS 211] General Physics I	4	
[PHYS 212] General Physics II	4	
[PHYS 251] Modern Physics	4	
[PHYS 328] Mechanics	3	
[ENGR 367] Electromagnetics	3	
[ENGR 371] Thermodynamics	3	
[PHYS 402] Quantum Mechanics	3	
[CHEM 495] Capstone Natural Sciences	3	
[PHYS 494] Senior Physics Seminar	3	

General Education requirements on reverse side.

**Physics (B.A)**  
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General Education Requirements

<u>Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
First Year Seminar	3	
Oral Communications	3	
Created and Called for Community	3	
Mathematical Sciences ( <a href="#">[MATH 109]</a> / <a href="#">[MATH 110]</a> , <a href="#">[MATH 111]</a> , <a href="#">[MATH 112]</a> , or <a href="#">[MATH 211]</a> )	3 or 4	<u>met by major</u>
Laboratory Science ( <a href="#">[PHYS 211]</a> )	3 or 4	<u>met by major</u>
Science, Technology, & the World	3	<u>waived</u>
Two of the following:	6	
Social Science (3 credits)		
European History (3 credits)		
United States History (3 credits)		
Literature	3	
Philosophy and Religion	3	
Arts	3	
Language/Cross Cultural		
First semester of Language	3	
Second semester of Language	3	
Third semester of Language or Cross Cultural	3	
Non-western studies	2 or 3	
Bible	3	
Christian Beliefs	3	
Health and Physical Fitness		
Introduction to Wellness	2	
Activity Course	1	
One of the following:	3	
Ethics (3 credits)		
World Views (3 credits)		
Pluralism in Contemporary Society (3 credits)		
Writing Enriched Course		

SUMMARY OF DEGREE REQUIREMENTS:

General Education	47
Major Requirements	54-57
Free Electives	19-22
<b>Total</b>	<b>123</b>

Major Requirements on reverse side.