

# BACHELOR OF ARTS IN PHYSICS WITH A MINOR IN MATHEMATICS

## Minimum requirements for the B.A. degree in Physics with a minor in mathematics

COURSE	TITLE	S.H.
<b>General Education Requirements</b>		
Core Competencies		9
ENGL 1550	Writing 1	
ENGL 1551	Writing 2	
CMST 1545	Communication Foundations	
Mathematics requirement included in minor		
Arts and Humanities		6
Natural Sciences included in major		
Social Science		6
Social and Personal Awareness		6
General Education Elective / First-Year Experience		3
<b>Major Requirements</b>		
Physics Courses:		
PHYS 2610 & 2610L	General Physics 1 and General Physics laboratory 1	5
PHYS 2611 & 2611L	General Physics 2 and General Physics laboratory 2	5
PHYS 3703	Classical Mechanics and Dynamics	4
PHYS 3704 & 3704L	Modern Physics and Modern Physics Laboratory	5
PHYS 3705 & 3705L	Thermodynamics and Classical Statistical Dynamics and Thermodynamics and Classical Statistical Mechanics Laboratory	4
PHYS 3741	Electromagnetic Field Theory 1	3
PHYS 4805	Undergraduate Physics Research	3
Physics upper division Elective		3
Mathematics Courses:		
MATH 1571	Calculus 1	4
MATH 1572	Calculus 2	4
MATH 2673	Calculus 3	4
MATH 3705	Differential Equations	3
Minor Course:		
One additional 3 s.h. upper division elective in mathematics is required for the mathematics minor.		3
Other courses:		
FNLG 1550	Elementary Foreign Language	4
FNLG 2600	Intermediate Foreign Language	4
CHEM 1515	General Chemistry 1	4
CHEM 1515L	General Chemistry 1 Laboratory	
CHEM 1516	General Chemistry 2	4
CHEM 1516L	General Chemistry 2 Laboratory	
Electives:		
20 additional hours of upper division electives and 4 hours of electives at any level are required		24
Total Semester Hours		120