PHYSICS (BA)

Guidelines for Acceptance to a Physics & Astronomy Department Major

In order to ensure that students are on a successful academic trajectory, it is recommended that students who have not earned at least a C average in both PHYS-2100 Classical Physics I, Classical Physics I, and PHYS-2110 Classical Physics II, Classical Physics II, should not declare a major in the Physics & Astronomy Department. Students who have not achieved this minimum grade guideline but who still seek acceptance to a major in the Physics & Astronomy Department must meet with and receive approval from the Department Chair.

Program Requirements

Code	Title	Hours
Requirements (35-36 hours)		
PHYS-2100 & PHYS-2101	Classical Physics I and Classical Physics I Lab	4
PHYS-2110 & PHYS-2111	Classical Physics II and Classical Physics II Lab	4
PHYS-3200	Relativity & Atomic Physics	3
PHYS-3201	Modern Physics Lab	1
PHYS-3210	Nuclear & Elementary Particle Physics	2
PHYS-3211	Modern Physics Lab II	1
PHYS-4100 or ENGR-2310	Mechanics I Dynamics	3
PHYS-3500	Electronics	4
PHYS-4600	Electricity & Magnetism I	3
PHYS-4300 & PHYS-4301	Optics and Optics Laboratory	4
PHYS-COMP	Senior Comprehensive Exam	0
PHYS-4900	Physics Colloquium	0
PHYS-4901	Physics Colloquium	0
PHYS-4902	Physics Colloquium	0
PHYS-4903	Physics Colloquium	0
Two additional upper-division courses in physics or astronomy		6-7
Required Supporting Courses (25-27 hours)		
CHEM-1200	General Chemistry I Lecture	3
CHEM-1210	General Chemistry II Lecture	3
CHEM-1201	General Chemistry I Laboratory	1
CHEM-1211	General Chemistry II Lab	1
Select one of the following:		2-4
CSCI-2300	Programming for Scientists & Engineers	
CSCI-1140	Introduction to Computer Science I	
ENGR-2000	Computer Applications in Engineering	
MATH-1300	Calculus I	4
MATH-1350	Calculus II	4
MATH-2300	Calculus III	4
MATH-3100	Differential Equations	3
Recommended Supporting Courses		
MATH-2500	Linear Algebra	
MATH-2550	Discrete Mathematical Structures I	
MATH-3300	Numerical Computation	
Total Hours		**60-63**