STANDARD CONCENTRATION, PHYSICS (BS)

Course Requirements

Course	Title	Quarter Hours
Select four of the following:		16
PHY 310	MECHANICS I	
PHY 311	MECHANICS II	
PHY 320	ELECTRICITY AND MAGNETISM I	
PHY 321	ELECTRICITY AND MAGNETISM II	
PHY 360	QUANTUM MECHANICS I	
PHY 361	QUANTUM MECHANICS II	
PHY 370	ELECTRONICS	4
PHY 380	EXPERIMENTAL PHYSICS I	4
or PHY 390	APPLIED COMPUTATIONAL PHYSICS LABORATORY	
Select four additional Physics courses, at least two at the 300 level, as approved by a departmental advisor		16
MAT 261	MULTIVARIABLE CALCULUS II	4
Select one year-long sequence of courses in the sciences, mathematics, or computer science from the following sequences:		12
Biology Sequence		
BIO 191	GENERAL BIOLOGY I FOR SCIENCE MAJORS	
BIO 192	GENERAL BIOLOGY II FOR SCIENCE MAJORS	
BIO 193	GENERAL BIOLOGY III FOR SCIENCE MAJORS	
Chemistry Sequence		
CHE 130 & CHE 131	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY	
CHE 132 & CHE 133	GENERAL CHEMISTRY II and GENERAL CHEMISTRY LABORATORY II	
CHE 134 & CHE 135	GENERAL CHEMISTRY III and GENERAL CHEMISTRY LABORATORY III	
Environmental Science Sequence		
ENV 250	APPLIED ECOLOGY	
or BIO 215	ECOLOGY	
ENV 216	EARTH SYSTEM SCIENCE	
ENV 217	HUMAN IMPACTS ON THE ENVIRONMENT	
Mathematics Sequence: Select three 300-level sequenced courses as approved by departmental advisor		
Computer Science Sequence: Select any one year-long three-course sequence of CSC courses as approved by departmental faculty advisor		

Open Electives

Open elective credit also is required to meet the minimum graduation requirement of 192 hours.