MATHEMATICS-PHYSICS (BS)

To earn the B.S. degree in Mathematics-Physics, students must complete the mathematics courses in either Group 1 or Group 2 in addition to the Additional Required Courses in physics and mathematics. The number of credits for 2000-level courses or above is 30 in Physics and 19 in Mathematics.

Course	Title	Credits
Complete the courses from one of the following groups:		10-16
Group 1		
MATH 2110Q	Multivariable Calculus	
or MATH 2143Q	Advanced Calculus III	
MATH 2210Q	Applied Linear Algebra	
MATH 2410Q	Elementary Differential Equations	
Group 2		
MATH 2141Q	Advanced Calculus I	
MATH 2142Q	Advanced Calculus II	
MATH 2143Q	Advanced Calculus III	
MATH 2144Q	Advanced Calculus IV	
Additional Required Courses		
MATH 3146	Introduction to Complex Variables	3
MATH 3410	Differential Equations for Applications	3
MATH 3510	Numerical Analysis I	3
PHYS 2300	The Development of Quantum Physics	3
PHYS 2501W	Advanced Undergraduate Laboratory	4
PHYS 3101	Mechanics I	3
PHYS 3201	Electricity and Magnetism I	3
PHYS 3202	Electricity and Magnetism II	3
PHYS 3300	Statistical and Thermal Physics	3
PHYS 3401	Quantum Mechanics I	3
Select nine credits of 2000-level or above PHYS electives.		9
Total Credits		**50-56**

Writing and Information Literacy Requirements

Mathematics-Physics students satisfy the writing in the major and information literacy competencies by completing PHYS 2501W Advanced Undergraduate Laboratory.