

ASTROPHYSICS - SECONDARY MAJOR

Requirements for a Secondary Major in Astrophysics

Code	Title	Hours
Thirty-six semester hours including:		
Required Courses		
PHY 1420	General Physics I	4
PHY 1430	General Physics II	4
PHY 2350	Modern Physics	3
PHY 2360	Mathematical and Computational Physics	3
PHY 2455	Foundations of Astronomy	4
PHY 3320	Intermediate Classical Mechanics	3
PHY 3330	Intermediate Electricity and Magnetism	3
PHY 3350	Topics in Astronomy	3
PHY 3372	Introductory Quantum Mechanics I	3
PHY 4340	Statistical and Thermal Physics	3
PHY 4350	Introduction to Stellar Structure and Evolution	3
or PHY 4351	Introduction to Modern Cosmology	
PHY 4001	Exit Exam	0
Subtotal		36
Required Courses in Other Fields		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
MTH 3325	Ordinary Differential Equations	3
MTH 3326	Partial Differential Equations	3
Total Hours		54