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62

PHYSICS MAJOR - B.S.

This B.S. degree requires 60 liberal arts credits out of the 120 credits required for graduation.

MATH 21100

Total Credits

Credits

Calculus III

Summary

Code

Code	Title		Credits
Physics B.S. Major Requirements			62
Integrative Core Curriculum Requirements and Electives ¹			58
Total Credit	s		120

This major is approved to fulfill the Integrative Core Curriculum (https://catalog.ithaca.edu/undergrad/programsaz/integrative-core-curriculum/) requirement for the Natural Sciences perspective.

Degree Requirements

CORE COURSES IN THE DEPARTMENT

COME COOMSES	IN THE DEFAITMENT	
PHYS 11000	Introductory Mathematical and Computational Methods for Physics	2
PHYS 12100	Light and Special Relativity	4
PHYS 12200	Momentum, Energy, and Heat	4
PHYS 12300	Classical Fields: Gravity, Electricity, & Magnetism	4
PHYS 21000	Intermediate Mathematical and Computational Methods for Physics	2
PHYS 22400	Classical and Quantum Waves	4
PHYS 26000	Intermediate Physics Laboratory	2
PHYS 27800	Professional Physics and Astronomy Seminar II	1
PHYS 31000	Advanced Mathematical and Computational Methods for Physics	4
PHYS 36000	Advanced Physics Laboratory	4
PHYS 299xx or 399xx	Introductory or Intermediate Physics Research	1
PHYS 499xx	Advanced Physics Research	2
ADVANCED COU	RSEWORK	
professional ii carefully plani	rsework tailored to the students' nterests. The coursework must be ned with the student's adviser before the dent's fourth semester.	
Select two of the	following:	8
PHYS 32200	Classical Mechanics	
PHYS 32300	Electromagnetism	
PHYS 32400	Quantum Mechanics	
PHYS 32500	Thermal Physics	
	es in physics or astronomy: Four credits in nomy at the 300-level or above (excluding PHYS 499xx)	4
COMPUTATIONA	L AND MATHEMATICS SKILLS	
COMP 17100	Principles of Computing Science I	4
MATH 10800	Applied Calculus	4
or MATH 1110	OCCalculus I	
MATH 11200	Calculus II	4