

MASTER OF SCIENCE IN PHYSICS

Curriculum

Comprehensive examination

Thesis and defense (optional)

Students interested in the thesis option must complete six to nine credit hours of PHYS 591 or PHYS 691.

Master of Science in Physics (Coursework Only Option)

Code	Title	Credit Hours
Required Courses		(18)
PHYS 501	Methods of Theoretical Physics I	3
PHYS 505	Electromagnetic Theory	3
PHYS 508	Analytical Dynamics	3
PHYS 509	Quantum Theory I ¹	3
PHYS 510	Quantum Theory II	3
PHYS 515	Statistical Mechanics	3
Colloquium Requirement		(0-2)
Two semesters of colloquium coursework is required.		0-2
PHYS 585	Physics Colloquium (may be taken multiple times)	1
PHYS 685	Physics Colloquium (may be taken multiple times)	0
Electives		(9-14)
Select 9-14 credit hours		9-14

Minimum degree credits required: 32

Master of Science in Physics (Thesis Option)

Code	Title	Credit Hours
Required Courses		(18)
PHYS 501	Methods of Theoretical Physics I	3
PHYS 505	Electromagnetic Theory	3
PHYS 508	Analytical Dynamics	3
PHYS 509	Quantum Theory I ¹	3
PHYS 510	Quantum Theory II	3
PHYS 515	Statistical Mechanics	3
Colloquium Requirement		(0-2)
Two semesters of colloquium coursework is required.		0-2
PHYS 585	Physics Colloquium (may be taken multiple times)	1
PHYS 685	Physics Colloquium (may be taken multiple times)	0
Thesis Research		(6-9)
PHYS 591	Research and Thesis M.S.	6-9
or PHYS 691	Research and Thesis Ph.D.	
Electives		(0-8)
Select zero to eight credit hours		0-8

Minimum degree credits required: 32

¹ The six-credit hour course sequence PHYS 405 and PHYS 406 may be substituted for PHYS 509 with adviser and departmental approval.