

M.S. in Applied Physics

A minimum of 30 degree credits (600 or 700 level), including a 6-credit thesis or a 3-credit project is required. Of the 30 credits, 18 must be physics courses (including 3 credits of mathematical physics or applied mathematics). The remaining 12 to 15 credits are elective courses.

Seminar: In addition to the minimum 30 degree credits required, all students who receive departmental or research-based awards must enroll each semester in PHYS 791 Doctoral Seminar.

M.S. in Applied Physics (Master's project)

Required Courses

PHYS 611	Adv Classical Mechanics	3
PHYS 621	Classical Electrodynamics	3
R755 631	Quantum Mechanics	3
PHYS 641	Statistical Mechanics	3

Project

PHYS 700B	Master's Project	3
-----------	------------------	---

Electives

Five electives ¹		15
-----------------------------	--	----

Total Credits		30
----------------------	--	-----------

¹ Selected in consultation with a graduate advisor.

M.S. in Applied Physics (Master's thesis)

Required Courses

PHYS 611	Adv Classical Mechanics	3
PHYS 621	Classical Electrodynamics	3
R755 631	Quantum Mechanics	3
PHYS 641	Statistical Mechanics	3

Thesis

PHYS 701C	Master's Thesis	6
-----------	-----------------	---

Electives

Four electives ¹		12
-----------------------------	--	----

Total Credits		30
----------------------	--	-----------

¹ Selected in consultation with a graduate advisor.