

# M.S. in Applied Physics

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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 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 700	Master'S Project	3
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### Electives

Five electives <sup>1</sup>		15
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<b>Total Credits</b>		<b>30</b>
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<sup>1</sup> Selected in consultation with a graduate advisor.

## M.S. in 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

R755 701	Dissertation Research	6
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### Electives

Four electives <sup>1</sup>		12
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<b>Total Credits</b>		<b>30</b>
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<sup>1</sup> Selected in consultation with a graduate advisor.