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)

<table>
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<tr>
<th>Code</th>
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<th>Credits</th>
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<tr>
<td>PHYS 611</td>
<td>Adv Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 621</td>
<td>Classical Electrodynamic</td>
<td>3</td>
</tr>
<tr>
<td>R755 631</td>
<td>Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 641</td>
<td>Statistical Mechanics</td>
<td>3</td>
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**Project**

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<tbody>
<tr>
<td>PHYS 700B</td>
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**Electives**

Five electives

**Total Credits**

30

1 Selected in consultation with a graduate advisor.

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

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<td>PHYS 641</td>
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<td>3</td>
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**Thesis**

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<td>Master's Thesis</td>
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</table>

**Electives**

Four electives

**Total Credits**

30

1 Selected in consultation with a graduate advisor.