MS in Physics

Admission Requirements

Applicants are considered on an individual basis. Complete transcripts of all undergraduate and any graduate work must be submitted. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

• **Baccalaureate Field** No restrictions. Prior academic work must include at least 20 semester hours of physics, including upper-level undergraduate electrodynamics, quantum mechanics, and classical mechanics.
• **Grade Point Average** At least 2.75/4.00 for the final 60 semester (90 quarter) hours of undergraduate study.
• **Tests Required** GRE General exam is required; GRE Physics subject exam is highly recommended, but not required.
• **Minimum English Competency Test Score**
  - TOEFL 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Internet-based); 60, with subscores of Reading 19, Listening 17, Writing 21 (New Paper-Based—after August 2018); 550 (Institutional Testing Paper-Based—prior to August 2018), OR,
  - IELTS 6.5, with subscores of 6.0 for all four subscores, OR,
  - PTE-Academic 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.
• **Letters of Recommendation** Three required.
• **Personal Statement** Required.
• **Nondegree Applicants** Nondegree applicants must submit transcripts and a personal statement.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

• **Minimum Semester Hours Required** 32.
• **Course Work** At least 20 hours must be at the 500-level, of which no more than 4 hours may be in PHYS 596. No more than 8 hours may be in PHYS 598 if in thesis option.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>PHYS 501</td>
<td>Electrodynamics I</td>
</tr>
<tr>
<td>PHYS 502</td>
<td>Electrodynamics II</td>
</tr>
<tr>
<td>PHYS 511</td>
<td>Quantum Mechanics I</td>
</tr>
<tr>
<td>PHYS 512</td>
<td>Quantum Mechanics II</td>
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• **Comprehensive Examination** None.
• **Thesis, Project, or Course-Work-Only Options** Thesis or course work only. No other options are available.
  - **Thesis**: No more than 8 hours of PHYS 598 can be applied to the degree.