

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 Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), **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 18 hours must be at the 500 level, of which no more than 4 hours may be in PHYS 595 or PHYS 596. Courses taken outside of the Department of Physics must be approved to fulfill these requirements. Students in the thesis option must count at least 5 and no more than 8 hours of PHYS 598. Credit in PHYS 598 may not be applied for the course-work-only option. Students found to be deficient in specific areas of physics on the basis of course work taken prior to entering the program may have to complete additional hours beyond the minimum 32 hours.

Code	Title	Hours
Required Courses		
PHYS 501	Electrodynamics	
PHYS 511	Quantum Mechanics I	
PHYS 561	Statistical Mechanics I	

- **Comprehensive Examination** None.
- **Thesis, Project, or Course-Work-Only Options** Thesis or course work only. No other options are available.
 - *Thesis*: At least 5 and no more than 8 hours of PHYS 598 can be applied to the degree.