Graduate Program in Physics

Objectives

The Master of Science Program in Physics seeks to provide each student with a thorough understanding of the discipline in preparation for employment in research and development programs, or to prepare for advanced degree (Ph.D.) in academic programs.

Options And Requirements

The Department of Physics and Engineering offers graduate study leading to the Master of Science in Physics.

Master of Science in Physics

Admission Requirements:

To be eligible for admission to the Physics Graduate Program, an applicant must have received a Bachelor's Degree in Physics or related area from an accredited college or university. The Graduate Record Examination (GRE) is required. Entering graduate students are expected to have a sound background in intermediate level mechanics, electricity and magnetism, thermal physics and mathematical methods of physics. Any student found deficient in any of these areas may be required to take appropriate courses to remove that deficiency.

Course Requirements:

The requirement for a Master of Science Degree in Physics is thirty (30) credit hours of course work with a minimum average grade of "B". Twenty-four (24) of these must be in graduate physics courses at the 600 level. A sequence of courses required by all candidates includes the following: 26-652, 26-665, 26- 667, 26-671, 26-672, 26-675. A maximum of six (6) credit hours of graduate credit may be granted for physics courses in the 500 level (above 500), or other graduate level courses in the sciences with the approval of the Physics Dept.

For those students electing the Master's Thesis option, a maximum of six (6) credit hours towards a degree can be given for thesis work.

Course descriptions [1]

Back to top^

A unique feature of the department is the harmonious cooperation of its members, faculty and staff towards one goal: the best education for the students. The performance of the majors has been tested by their success in prestigious graduate schools nationwide. This is complemented with a large inventory of laboratory and research grade equipment. In addition, the department has a network of PC's with modern hardware and software including word processors. These are used for computer-assisted instruction, data collection and analysis, and graphics.

Request for more information. [2]

Back to College homepage **[3]**

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