Doctor of Philosophy in Applied Physics

Program Goals

- Prepare graduates to conduct and disseminate independent scholarly research in applied physics.
- Prepare graduates for careers in academia, industry, or government.

Program Objectives

- Increase the knowledge of graduates in their chosen field of applied physics.
- Enhance the ability of graduates to contribute to their chosen field of applied physics.
- Enhance effective written and oral communication skills of graduates.

Admission Requirements

All applicants must meet Idaho State University Graduate School admission requirements for doctoral programs. In addition, applicants must have attained a minimum of a bachelor's degree in physics or a closely related field (engineering, applied physics, chemistry, etc.). The student’s course of study will be determined by consultation with the department chair or the department’s graduate advising committee. Students may be required to complete any missing course material that is required for the B.S. degree in physics at Idaho State University. Continued enrollment in the program is contingent upon maintaining a 3.0 grade point average and upon making satisfactory progress toward the degree.

A complete graduate application for classified status in the Idaho State University Physics Department Ph.D. program consists of:

1. GRE scores (normally, a minimum of 50th percentile on verbal, quantitative, or analytical is required for classified students);
2. An Idaho State University Graduate School application form, fee, and official copies of transcripts;
3. Three letters of recommendation;
4. A resume or CV; and
5. A statement of career goals.

General Requirements

The Ph.D. degree requires completion of at least 84 credits at the 500-course or greater. Of these, at least 32 credits, but no more than 44 credits, must be doctoral dissertation credits (PHYS 8850). At least 4 must be graduate seminar (or equivalent, as determined by the department). The remaining required credits consist of electives and the required courses listed below. Students entering the program with a master’s degree may receive credit for up to 30 credits toward the Ph.D., subject to the department chair’s approval. Students should complete the required courses as listed below (or their equivalent, as determined by the department) at Idaho State University.

Doctor of Philosophy in Engineering and Applied Science

A doctoral program in Engineering and Applied Science, administered through the College of Science and Engineering, is available to Physics students. The complete program description is provided in the Engineering and Applied Science (http://coursecat.isu.edu/graduate/scienceengineering/engineeringandappliedscience/) section of the Graduate Catalog.