

PHYSICS GRADUATE MAJOR (MA, MS, PHD)

This program is available at the following location:

- Corvallis

The Department of Physics offers courses and research experience leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. Advanced-degree candidates may pursue thesis research in experimental, computational, or theoretical AMO (atomic, molecular, and optical) physics, nuclear and particle physics, or solid state physics. Special programs are available for students who are preparing for careers in undergraduate teaching. Thesis and nonthesis programs are offered that lead to the MS and MA degrees. A written comprehensive examination must be passed prior to the nonthesis master's final oral or the PhD preliminary oral examination. There are no foreign language requirements.

The department maintains a vigorous colloquium program in which well-known physicists present lectures on current research. Students are invited to participate in topical seminars offered regularly in each of the major research areas for the discussion of research results and for studies of specialized subjects at an advanced level.

Fellowships and assistantships are offered to qualified graduate students. A descriptive brochure is available from the Department of Physics.

Major Code: 5900

Upon successful completion of the program, students will meet the following learning outcomes:

MA

- Conduct research or produce some other form of creative work.
- Demonstrate mastery of subject material.
- Conduct scholarly or professional activities in an ethical manner.

MS

- Conduct research or produce some other form of creative work.
- Demonstrate mastery of subject material.
- Conduct scholarly or professional activities in an ethical manner.

PhD

- Produce and defend an original significant contribution to knowledge.
- Demonstrate mastery of subject material.
- Conduct scholarly activities in an ethical manner.
- Effectively communicate in field of study.

Major Code: 5900