



### **Duluth Campus**

## **Physics Minor**

*UMD-Physics & Astronomy*

### **Swenson College of Science and Engineering**

Link to a [list of faculty](#) for this program.

#### **Contact Information:**

Department of Physics, University of Minnesota Duluth, 371 Marshall W Alworth Hall, 1023 University Drive, Duluth, MN 55812 (218-726-7124; fax: 218-726-6942)

Email: [phys@d.umn.edu](mailto:phys@d.umn.edu)

Website: <http://www.d.umn.edu/physics/grad/>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2016
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 6
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The master of science program provides a grounding in the fundamentals of physics, combined with significant research involvement. The primary areas of research are computational physics, high-energy neutrino physics, experimental work in condensed-matter physics, and observational and theoretical work in physical limnology.

## **Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)

## **Prerequisites for Admission**

The preferred undergraduate GPA for admittance to the program is 3.00.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

## **Program Requirements**

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

#### **Required Courses (6 cr)**

No more than 1 credit can be from PHYS 5090.

Take 6 or more credit(s) from the following:

- PHYS 5xxx
- PHYS 8xxx