

# Physical Science, Minor

## DEPARTMENT

MN in Physical Science, Minor  
MS in Physics, M.S.  
BS in Physics, B.S.  
MN in Physics, Minor  
MN in Medical Physics, Minor  
MN in Astronomy, Minor  
BS in Biomedical Physics, B.S.  
CRED in Single Subject Credential - Physical Science

## REQUIREMENTS

Department

### Physical Science Minor Requirements

The Physical Science Minor offers an opportunity for both nonscience and science majors to diversify into important and interesting fields. It consists of 21-22 units of courses selected according to one of the patterns below:

A. CHEM 3A and 3B\* (7 units)  
PHYS 2A and 2B\* (8 units)  
Upper-division electives\*\* (6 units)  
**Total (21 units)**

B. CHEM 10 (4 units)  
PHYS 2A and 2B\* (8 units)  
EES 1 (4 units)  
Upper-division electives\*\* (6 units)  
**Total (22 units)**

C. CHEM 3A and 3B\* (7 units)  
PHYS 10 (4 units)  
EES 1 (4 units)  
Upper-division electives\*\* (6 units)  
**Total (21 units)**

For chemistry, geology or physics majors, all courses must be outside the major department. The revised program must be approved by the chair of the major department.

### Note

The Physical Science Minor also requires a 2.0 GPA and 6 upper-division units in residence.

\* CHEM 1A/1AL may be substituted for CHEM 3A, and CHEM 1B/1BL may be substituted for CHEM 3B. PHYS 4A and 4AL may be substituted for PHYS 2A, and PHYS 4B and 4BL may be substituted for PHYS 2B.

\*\* The upper-division electives may be any upper-division courses for which the student is qualified, from the three departments. Courses with very few prerequisites are EES 105, 114, 154, 168, 169; PHYS 100; PSCI 131, 168.

## FACULTY

Our faculty members are here to teach and to do research. Several faculty members have research projects involving students.

Our classes are small: our upper-division and graduate classes usually have 10-15 students or less. Physics majors get to know each other very well. They develop friendships with peers, faculty, and staff, which extend well beyond graduation.

There are eight research/creative activity areas that are part of our current efforts: (1) Computational Physics, (2) High Energy Physics (HEP), (3) Strongly Correlated Electron Physics, (4) Nanotechnology, (5) Astronomy and Astrophysics, (6) Microbeam X-ray Fluorescence (XRF), (7) Theoretical Physics, (8) Physics Outreach.

For faculty phone numbers and e-mail, see the campus directory.

For more on the faculty, see the faculty pages.

The faculty pages are updated by the department or program.