Physical Science, Minor

DEPARTMENT

Department of Physics
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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

The Department of Physics has an active theoretical physics program that focuses on gravitational physics and field theory.
We have ongoing collaborations with several international research groups including the Institute of Applied Physics of the
Academy of Sciences of Moldova, Kyrgyz-Russian Slavic University, the Center for Gravitation and Fundamental Metrology
(VNIIMS) at the Peoples' Friendship University of Russia, and the Universidad de Costa Rica. Our students in this area
regularly attend national and international conferences to give talks, and they are active in publishing their research work
in refereed journals. Several international researchers have visited our department and engaged in collaborative research,
colloquia, and seminars.

REQUIREMENTS

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. Two of our faculty members do theoretical work in particle physics and field theory while others are involved with numerous different experimental research fields; some of our faculty are involved in physics pedagogy.

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.

<table>
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<tr>
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