

Department of Physics
College of Arts and Sciences

Faculty

PHYSICS

- F. Exempt from the requirement of a minor
- III. Major in Physical Science—48 hours**
 - A. Chemistry 111-112, 211, 221, + three hours CHE electives 16
 - B. Physics 112, 231-232, 311, 310 or 301, + 2 hours PHY elective 24
 - C. Biology 8 hours 8
- IV. Minor in Physics—24 semester hours**
 Physics 231-232, 311, + 10 hours of Physics electives except PHY 111, 112, 301, 310
- V. Teacher Licensure in Physics (Grades 7-12)**
 - A. Complete the requirements shown above for the Physics major.
 - B. Professional Education: EDU 150, 250, 326, 418, 433, PSY 213, 318, SE 225.
 - C. Complete the applicable portions of the Praxis II.
 - D. For additional information, see the Director of Teacher Education.

Course Offerings in Physics (PHY)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

111. Principles of the Physical Sciences (4) F, W, S, Su

Introduction to physics and chemistry for non-science majors including their historical, philosophical, and social significance. Exercises are indicative of various scientific meth-

430. Experimental Physics Laboratory (3) F—Even Years

Prerequisite: PHY 311 & MAT 213.

Modern experimentation, research, data acquisition and analysis. The theory, practice and reporting of research in a scientific format is demonstrated through experiments in atomic, nuclear, solid state, thermodynamics, and optics. One lecture, 4 lab hours/week.

498. Seminar (1-3) S

Prerequisite: 20 hours of physics and junior/senior standing.

Skills in scientific and technical presentations, written and oral, will be polished. To be used at the discretion of the department for majors/minors only.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual study under the guidance of a faculty member(s).

499. Seminar (1-3) As Needed

To be used at the discretion of the department.