

Physics Major

(11 ½ units)

- 1) Nine and ½ departmental units:
 - a) Physics 101, 102, 206, 210, 380 (½).
 - b) At least 1 unit chosen from 320, 330, 340, or 350.
 - c) Four additional elective units:
 - i) No more than two 100-level units.
 - ii) No more than 1 total unit of Physics 300, 390, and 395.
 - iii) One unit of computer science or mathematics may be substituted for a physics elective, with departmental approval.
- 2) Supporting courses (2 units): Mathematics 110 and 115.
- 3) Writing/communication requirement: Majors are required to take at least 4 courses designated W, at least 1 of which must be outside the department. (Transfer students reduce this requirement by 1 course per year of advanced standing.) Departmental W courses include Physics 130, 250, 380, and other courses as designated by the instructor.
- 4) Physics majors planning to attend graduate school in physics are strongly urged to take all of the core 300-level physics courses (320, 330, 340, and 350; taught on a two- year cycle) and Mathematics 175.
- 5) Students are strongly encouraged to do a semester of off-campus study or study abroad. Possible programs include the Oak Ridge Science Semester; many international opportunities include the possibility of taking upper level physics courses.
- 6) All physics majors are encouraged to do an internship or independent research, often in the form of a paid summer REU.

Physics Minor

(6 units)

- 1) Four departmental units:
 - a) Physics 101.
 - b) Three additional elective units:
 - i) One course must be at the 200-level or above.
 - ii) No more than 1 total unit of Physics 300, 390, and 395.
- 2) Supporting courses (2 units): Mathematics 110 and 115.