



**MAJOR REQUIREMENTS**

*This program is for the student whose intellectual interest or career objectives span these two fields. It provides a richer foundation in physics than does the usual major in chemistry for students anticipating graduate study in chemical physics or theoretical physical chemistry. It also offers experience in theoretical and experimental chemistry beyond the usual major in physics for student interested in molecular and solid-state physics or applied physics.*

**A. REQUIREMENTS:**

- Chemistry 101 & 102
- Chemistry 201 & 202 (lectures only)
- Chemistry 212
- Physics 101 & 102
- Physics 201 & 202
- Physics 311
- Physics 321
- Math 111 & 112
- Math 201 & 202
- Chemistry 332 or Physics 351  \_\_\_\_\_
- Chemistry 333 or Physics 342  \_\_\_\_\_
- Chemistry 311 & 316 or Physics 331 & 332  \_\_\_\_\_

**B. JUNIOR QUALIFYING EXAM IN CHEMISTRY**

**C. JUNIOR QUALIFYING EXAM IN PHYSICS**

**D. THESIS 470 (CHEMISTRY-PHYSICS)**

**DIVISIONAL REQUIREMENTS**

There are no divisional requirements for this major.

**CREDIT AND DISTRIBUTION REQUIREMENTS**

You may use courses in your major department to satisfy any one distribution requirement other than Group X. Group Requirements must be fulfilled by two units from the same subject.

- HUMANITIES:** Hum 110 or equivalent (3 units)  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_
- GROUP A:** Literature, Philosophy, Religion, Arts  \_\_\_\_\_  \_\_\_\_\_
- GROUP B:** History, Social Sciences, Psychology  \_\_\_\_\_  \_\_\_\_\_
- GROUP C:** Natural Sciences  \_\_\_\_\_  \_\_\_\_\_
- GROUP D:** Foreign Language, Mathematics, Computer Science, Logic, Linguistics  \_\_\_\_\_  \_\_\_\_\_
- GROUP X:** 2 units in any one department outside of the major department  \_\_\_\_\_  \_\_\_\_\_

30 total units of coursework, 15 of which must be taken at Reed \_\_\_\_\_/30  
 6 quarters of Physical Education \_\_\_\_\_/6  
 6 units completed during senior year \_\_\_\_\_/6