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
- Mathematics 111 & 112
- Mathematics 201 & 202
- Chemistry 332 or Physics 351
- Chemistry 333 or Physics 342
- Physics 331* & 332*

* Students may use Chemistry 311 and 316 (if each is taken for a full unit) in place of Physics 331 and 332

B. JUNIOR QUALIFYING EXAM (CHEMISTRY)

C. JUNIOR QUALIFYING EXAM (PHYSICS)

D. THESIS 470 (CHEMISTRY-PHYSICS)

DIVISIONAL REQUIREMENTS

There are no divisional requirements for this major.

CREDIT AND DISTRIBUTION REQUIREMENTS

- **Humanities:** HUM 110 or equivalent (3 units)

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.

- **Group A**  Literature, Philosophy, Religion, Arts
- **Group B**  History, Social Sciences, Psychology
- **Group C**  Natural Sciences
- **Group D**  Mathematics, Computer Science, Logic, Foreign Language, or Linguistics
- **Group X**  2 units in any one department outside of the major department

30 units of coursework, 15 of which must be taken at Reed

6 quarters of Physical Education, 2 of which may come from Community Engagement programs

6 units completed during senior year

AM 5/2019