

ALTERNATE BIOLOGY



REED COLLEGE Office of the Registrar
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MAJOR REQUIREMENTS

The Alternate Program in Biology allows students to integrate a comprehensive grounding in biological science with an understanding of one or more alternate disciplines. The primary academic adviser will be a member of biology staff, and the student will choose a consulting adviser from the appropriate alternate field. After discussion with both advisers, the student must submit a formal petition to the department with a rationale for the integrated course of study. After the petition is approved by the department, the alternate biology major may then be declared.

A. REQUIREMENTS:

- Biology 101 & 102
- Four semester lecture-laboratory courses in biology from at least three different clusters, the rationale for which is articulated in the petition:
 - (A) *Genes, Genetics, and Genomes; Gene Regulation; Computational Systems Biology; Bioinformatics* _____
 - (B) *Cellular Biology; Microbiology; Developmental Biology* _____
 - (C) *Neurobiology and Physiology; Plant Physiology, Animal Behavior* _____
 - (D) *Ecology, Leaves to Landscapes; Vascular Plant Diversity* _____
- Two mathematics or computer science courses _____

- Chemistry 101 & 102
- Six to eight courses in the nonscience concentration:
 _____ _____ _____ _____ _____ _____

B. RECOMMENDATIONS:

Students are strongly encouraged to consult with advisers, as specific courses may be preferred depending on disciplinary interests or career plans

C. JUNIOR QUALIFYING EXAM (BIOLOGY)

D. THESIS 470 (BIOLOGY)

DIVISIONAL REQUIREMENTS

There are no divisional requirements for this major.

CREDIT AND DISTRIBUTION REQUIREMENTS

Humanities: HUM 110 or equivalent (3 units) _____

Distribution requirements must be fulfilled with 3 units in each of the following groups. 2 Units must come from the same subject and the third unit must come from a different subject.

Group 1 Art, ANME (language and literature), Comparative Literature, CRES, Creative Writing, Dance, Languages, Literature, Music, Philosophy, Theatre _____ _____ _____

Group 2 Anthropology, ANME (archaeology and history), CRES, Economics, ICPS, History, Linguistics, Political Science, Religion, Sociology _____ _____ _____

Group 3 Biology, Chemistry, Computer Science, Mathematics, Physics, Psychology. *A substantial portion of at least one unit must be devoted to primary data collection and analysis.* _____ _____ _____

Notes: No course can count towards more than one group. 200-level Humanities courses not used for the Humanities requirement can apply to either Group 1 or Group 2, but not both. A maximum of 2 units can come from language courses. If 2 units are being taken in language courses, the 2 units must be in the same language.

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

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

6 units completed during senior year _____/6