Quantitative Biology and Bioinformatics

**Minor Program Requirements:**

- **Core Courses**: 18-24
  - Mathematics 128A, 128B, 128C, 135A
  - Statistics 130A, 131A, 141A
- Minor Program Requirements may be satisfied by previous experience and therefore may not entail college course credit. Please see your minor adviser for this determination and its possible impact on your unit requirements for the minor.
- **Restrictions**: No more than two upper division courses from a single department may be offered in satisfaction of the minor requirements. Only one course used to satisfy a requirement for the minor may be applied toward a student's major.
- **Prerequisites**: Consent of instructor. (S/U grading only.)

Professional

**Course Equivalents**

- Four of these courses may be upper division Religious Studies lower division offerings.

Radiation Oncology

See Medicine, School of, on page 396.

**Range Science**

**Related Program.** See Ecological Management and Restoration, on page 229.

Religious Studies

**Religious Studies**

- **Core Courses**: 8-12
  - Program in Computer Science Engineering 10 or 30 or the equivalent
  - Quantitative Biology: Biological Sciences 132 or Mathematics 124
  - Bioinformatics: Computer Science Engineering 124 or 129
  - Quantitative and Computational Preparation
- Complete one course from the following: Applied Science Engineering 115; Biomedical Engineering 103; Computer Science Engineering 122, 130;

**A.B. Major Requirements:**

- **Total Units for the Major**
  - 60
  - Depth Subject Matter
  - 40
    - Religious Studies 100
  - Related Courses
- **Total Units for the Minor**
  - 30
  - Creative Writing

**Preparatory Subject Matter**

- (A) One course from the Religious Studies 1 series
- (B) Four courses from other Religious Studies lower division offerings

**Recommended.** A reading knowledge of a foreign language is highly recommended.

**Course Equivalents.** The major advisers have a list of lower and upper division courses that can be substituted for courses suggested above.

**Major Advisers.** Consult the Program office.

**Minor Program Requirements:**

- **Units**
  - 20
  - Lower division course
  - Upper division courses
  - Religious Studies 100
  - Some substitutions from other departments or programs allowed with consent of adviser.

**Honors and Honors Program.** A student becomes eligible for graduation with honors by meeting the minimum GPA and course requirements established by the College of Letters and Science. Upon successful completion of the additional requirements of the College of Letters and Science and Honors Program, individual students may be recommended for Honors. Please see your minor adviser for this determination and its possible impact on your unit requirements for the minor.

**Emeriti Faculty**

- Whalen W. Lai, Ph.D., Professor Emeritus

**The Major Program**

Religion is a major force in human experience. It has shaped the world's history, literature, art, culture, politics, ethics, and economics. In addition to offering courses in all the major religious traditions (Judaism, Christianity, Islam, Hinduism, and Chinese and Japanese religions), the Religious Studies Program has developed cross-cultural courses dealing with religious symbols, myths, and rituals in written texts, art, theater, and film, and the Internet, as well as thematic courses dealing with such topics as religion and the body, the rise of fundamentalism, religious science, and religion and violence.

**The Program.** The major introduces students to the academic study of religion. Students can choose from a broad range of courses both in the program itself and in other departments and programs: history, philosophy, psychology, sociology, anthropology, American studies, classics, and medieval studies. In addition to studying religious thought per se, students in the major can also study the way religion has shaped human behavior in such matters as family life, gender roles, ethics, artistic life, concepts of individual freedom, the pursuit of science, and economics. For some students, Religious Studies is an appropriate second major and combines well with anything from philosophy to international agricultural development, political science, and the physical sciences.

**Career Alternatives.** Because of the program's focus on developing critical thinking, writing, and reading skills, students who major in Religious Studies are well prepared to enter a variety of careers, including teaching, the health professions, law, business, and government. In an increasingly global society, knowledge of the world's religious traditions and practices has become an essential part of a student's education.