

**California State University, Fresno – Department of Biology**  
**Graduate Degree Programs**

05/24/02

**Graduate Programs in Biology**

Dr. Fred E. Schreiber, Department Chair  
Dr. Paul Crosbie, Graduate Coordinator

At California State University, Fresno, faculty researchers are using the most innovative and advanced equipment available today, and applying to their study that same practice of meticulous observation that has allowed current scientists to revolutionize the fields of ecology, molecular and cellular biology, vertebrate and invertebrate physiology, entomology, microbiology, parasitology, botany, systematics, and animal behavior. The Master of Science program in Biology offers opportunity for advanced learning in all of these areas, while also preparing students to teach these disciplines, conduct technical work, acquire professional industry positions as lab directors or researchers, or pursue advanced education at the doctoral level. The on-campus facilities and the surrounding region offer many opportunities for students desiring an active research experience.

The university's location in the San Joaquin Valley puts students within three hours drive to High Sierra, foothill, coastal, and forest environments, if their research interest is ecologically based. The Biology Department is also a member of a consortium that manages and operates the Moss Landing Marine Laboratory (MLML). Moss Landing is located on the California coastline between Santa Cruz and Monterey and offers students a practical and theoretical education in the marine sciences. It provides extensive field and laboratory work that cannot be duplicated on individual CSU campuses.

**Further Information**

You may also contact Dr. Paul Crosbie, Graduate Coordinator, CSUF Department of Biology, 2555 East San Ramon Avenue, Fresno, CA 93740-2074, (559) 278-2074. E-mail: [pcrosbie@csufresno.edu](mailto:pcrosbie@csufresno.edu) (fax: 559-278-3963). World Wide Web at <http://www.csufresno.edu/graduatestudies>. For more information on the interdepartmental Master of Science degree in Marine Science write to: Moss Landing Marine Laboratories, P.O. Box 223, Moss Landing, CA 95039.

*California State University, Fresno is one of the California State Universities and is an equal opportunity/affirmative action institution, which does not discriminate because of sex, race, age, color, religion, national origin, sexual orientation, marital status or disability.*

*The California State University is committed to providing equal opportunities to men and women CSU Students in all campus programs, including intercollegiate athletics.*

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**Master of Science in Marine Science – Degree Requirements**

This degree program - to be offered as an interdepartmental degree in cooperation with Moss Landing Marine Laboratories (MLML) - provides the opportunity for students to acquire a practical and theoretical education in the marine sciences to prepare them for careers as marine specialists, scientists, and teachers. The program at Moss Landing provides extensive field and laboratory work for advanced study in the marine sciences, which is not duplicated on individual CSU campuses.

The Master of Science in Marine Science degree program is administered through MLML and a consortium campus with emphasis on biology, geology, or other department; depending on the choice of the student. The prospective student must meet the entrance requirements for the home campus department and will be accepted into classified or conditionally classified status by normal procedures at that campus (see previous information for biology procedures summary). Conditionally classified students must become, classified by home campus procedures. MLML may impose additional requirements for classification.

The Thesis Committee will be composed of at least three members, including one faculty member from MLML (who is ordinarily the thesis adviser) and, at the discretion of the home campus, a representative of that campus. The other member or members of the Thesis Committee may be from MLML, the home campus, or elsewhere with the approval of the thesis adviser. The final colloquium must be given at the home campus.

Additional MLML Degree Requirements Including Coursework. A student becomes eligible for the master's degree in marine science after the following requirements have been satisfied:

	Units
Courses in 100 series (requires any three of the following five courses: M SCI 103, M SCI 141, M SCI 142, M SCI 143, M SCI 144)	12
Courses in 200 series (including 2 units of M SCI 285T, 286T or 287T, and 4 units of M SCI 299)	15
Electives (course[s] in the 100 and/or 200 series) approved by Thesis Committee	<u>  3</u>
Total	30

*Note:* Quantitative Marine Science, M SCI 104, does not count toward the degree.