195A. Science Teaching Internship Program (4)
Lecture/discussion—2 hours; internship—6 hours. Prerequisite: upper division standing in a science major or consent of instructor. Major in science; junior or senior status (based on units); application and interview; class size limited to 24 students. Basic teaching techniques including lesson planning, classroom management, and presentation skills. Interns spend time in K-12 science classrooms working with a master teacher observing, assisting with labs and activities, managing students, and teaching lessons. (P/NP grading only.) Offered irregularly.

195B. Science Teaching Internship (1-5)
Internship—3-15 hours. Prerequisite: course 195A. Reinforcement of teaching techniques learned in 195A with additional classroom experiences in K-12 science classrooms working with a master teacher observing, assisting with labs and activities, managing students, and teaching lessons. May be repeated one time for credit with consent of instructor. (P/NP grading only.)

197T. Tutoring in Biological Sciences (1-5)
Discussion—2-6 hours. Prerequisite: upper division standing and consent of instructor. Assisting the instructor by tutoring students in one of the Biological Sciences' regular courses. May be repeated for credit. (P/NP grading only.)—F, W, S. (F, W, S.)

198. Directed Group Study (1-5)
Prerequisite: consent of instructor. (P/NP grading only.)

199. Special Study in Biological Sciences (1-5)
Prerequisite: upper division standing and consent of instructor. (P/NP grading only.)—F, W, S. (F, W, S.)

Cherr, Morgan

Graduate

298. Group Study (1-5)
Prerequisite: consent of instructor. College of Biological Sciences staff members may offer group study courses under this number.

Biomedical Engineering (A Graduate Group)

I. Kent Leach, Ph.D., Chairperson of the Group 530-754-9149

Group Office. 2316 Genome and Biomedical Sciences Facility 530-752-2611; http://www.ucdavis.edu/graduate/

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Tokihiro Yamaoto, Ph.D., Assistant Professor [Radiation Oncology]

Emeriti Faculty

Maury L. Hull, Ph.D., Distinguished Professor Emeritus [Mechanical and Aerospace Engineering, Biomedical Engineering]

Graduate Study. The Graduate Group in Biomedical Engineering offers programs of study and research leading to the M.S. and Ph.D. degrees. The programs of study prepare students for professional work in the effective integration of engineering with medical and biological sciences. Research strengths lie in the areas of imaging, tissue engineering and regenerative medicine, sensor and MEMS systems, cellular and molecular mechanics, computational modeling, targeted therapeutics, orthopedic biomechanics, biofluids and transport, and human movement. This broad interdisciplinary program is best suited for students who are capable of and comfortable with considerable independence. Each student, together with an adviser, defines a specific course of study suited to individual goals.

Preparation. The Group regards strong competence in mathematics and engineering as necessary for successful completion of study. Prior course work in these areas is emphasized in the evaluation of applications. Some undergraduate training can be acquired after admission to the Group, but it may require an additional year of study.

Courses. See Engineering: Biomedical, on page 271.

Biophysics (A Graduate Group)

John Voss, Ph.D., Chairperson of the Group

Group Office. 310 Life Sciences; 530-752-4863; http://bhp.ucdavis.edu/

Faculty

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Enoch Baldwin, Ph.D., Associate Professor [Molecular and Cellular Biology]
R. David Britt, Ph.D., Professor [Chemistry]
Tsun-Yu Chen, Ph.D., Professor [Neurology]

Biological and Agricultural Engineering

Biomedical Engineering (A Graduate Group)