

SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

The School of Natural Sciences and Mathematics within the College of Arts and Sciences provides a unique focus for interdisciplinary endeavors among the sciences and mathematics. The School offers strong academic programs in Biological Sciences, Chemistry, Geography, Geology, Mathematics and Statistics, Physics and Astronomy, and Psychology. At the same time, the School supports and promotes integration among its programs, interdisciplinary efforts in curriculum and research and cooperative efforts in development.

The School's seven academic departments collectively offer 11 baccalaureate degree programs, seven minor concentrations, five teaching credential programs, four certificate programs, and four Master's degree programs. Unique strengths of programs within the School include the following:

Biology: The Department of Biological Sciences, which offers the BA, BS, MS, and Minor, provides students with broad training in biology as well as the opportunity to specialize. The location of CSUS is ideal for diverse field trip experiences and internship opportunities with State or Federal agencies.

Chemistry: Chemistry is a science that prepares students for a wide variety of careers in fields including biochemistry, medicine, pharmacology and patent law, and analytical, inorganic, organic and physical chemistry. The Department of Chemistry offers BS (certificated by the American Chemical Society), BA, BA with concentration in biochemistry, and MS degree programs. The Minor also is offered.

Geography: The Department of Geography offers a balanced major featuring training in field and techniques courses, the latter supported by a well-equipped Geographic Information Systems computer lab. Other highlights include regional expertise in California, Latin America, Southeast Asia, and Africa, a Pre-Planning Certificate, and internship opportunities with government agencies. The BA and Minor are offered.

Geology: Geology is the study of the earth, its environments and its past inhabitants. The Geology Department offers a BA, BS, Minor and courses preparatory to a geoscience teaching credential. This department, in conjunction with the on campus staff of the United States Geological Survey, offers excellent preparation for careers in geology and graduate study.

Mathematics and Statistics: The Department of Mathematics and Statistics offers a variety of options to cater to the particular interests of its majors. The flexibility of the major allows students to pursue their degree in either pure mathematics, applied mathematics and statistics, or the teaching program. Graduates have met with much success

in finding employment in both the public and private sectors, particularly in high school teaching and in local private industry. The department also offers a Minor, and a Master's degree for those who wish to teach at the community college level.

Physics: The Department of Physics and Astronomy offers BA and BS degrees and Minors in physics and astronomy. Students can tailor their programs to prepare themselves for graduate study in physics or related fields, research and technical employment in industry, or a career as a junior high or high school science teacher.

Psychology: The curriculum in the Department of Psychology covers the breadth of the field — from neuroscience to clinical/counseling activities. Psychology majors take a wide variety of courses and have many opportunities to do fieldwork, as well as to assist faculty in ongoing research projects. The BA, MA and Minor are offered.

The School also supports a number of school-wide programs. Some of the larger ongoing programs are:

Moss Landing Marine Laboratories: Moss Landing Marine Laboratories is located on Monterey Bay. It is operated by a consortium of six CSU campuses and offers upper division and graduate courses in marine sciences.

Schools and Colleges for Advancing the Teaching of Science (SCATS): SCATS is an alliance of K-12 teachers, the School of Natural Sciences and Mathematics, the School of Education, and Community College faculty. The SCATS Center provides university science education outreach to Sacramento regional public and private schools. The long-range goal of SCATS is to improve science education in K-12 classes.

Science Educational Equity: The CSUS Science Education Equity (SEE) Program is an academic based program in the sciences. It is designed to increase the number of well prepared under represented ethnic students entering graduate and health professional schools.

For more information, contact:

Dean, School of Natural Sciences and Mathematics
(New position; appointment to be made)
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