

Tenure Track Faculty Position Description
Department of Chemistry & Biochemistry
College of Science & Engineering
San Francisco State University

Position title: Assistant or Associate Professor of Chemistry and Biochemistry

Start date: August 2018

Salary: Commensurate with qualifications and experience. The CSU provides generous health, retirement and other benefits.

Position Summary:

The position is in the department of Chemistry & Biochemistry at San Francisco State University. The position is in the area of inorganic chemistry and a dynamic colleague is needed to strengthen inorganic chemistry course offerings and research opportunities for students. The Faculty in the Department of Chemistry & Biochemistry are deeply committed to *both* high-quality teaching and research at the undergraduate and master's level. The 20 faculty in the department work together to improve the curriculum and experiences of students taking chemistry courses and earning degrees. Faculty lead productive research groups with their undergraduate and graduate students and are passionate about engaging students in research and scholarship.

The Department of Chemistry and Biochemistry offers undergraduate degrees in Chemistry (BA and BS) and Biochemistry (BS), along with master's degrees in Chemistry and with a concentration in Biochemistry. The department has approximately 400 undergraduate majors and 30 graduate (master's) students. Faculty are research-active, with funding from federal agencies and private foundations to support research activities, acquisition of major equipment, and student training programs. Major research instrumentation available in the department includes two 500 MHz NMR instruments, field emission scanning electron microscope (FESEM), powder X-ray diffractometer, EPR, and several high resolution mass spectrometers in a mass spectrometry facility. A comprehensive list of departmental resources and College of Science & Engineering facilities can be found at http://www.chemistry.sfsu.edu/resources_1fac equip/0layout.php.

The position includes a full-time faculty workload per the Collective Bargaining Agreement between the California State University and the California Faculty Association. The workload primarily includes teaching assigned undergraduate and graduate courses in inorganic chemistry, general chemistry, as well as in the area of specialization, and conducting an active externally-funded research program involving SFSU undergraduate and graduate students that advances knowledge in the field of one's specialty and provides meaningful training opportunities for students.

The teaching assignments will be in Inorganic Chemistry lecture (CHEM 325), Inorganic Chemistry Laboratory (CHEM 426), General Chemistry (CHEM 115, 215), and in the faculty member's area of specialization. The latter course may be offered at the graduate or

undergraduate level. Innovative additions to curriculum including courses and workshops are welcome.

The scholarship may address a range of topics in the area of experimental inorganic chemistry. Ideally, the scholarship will complement the interests of current faculty. Existing facilities and equipment are available to support scholarship and faculty are encouraged to seek extramural funding (e.g., NSF Major research instrumentation) for equipment that is particular to their research needs and the broader needs of the department and college.

Additional responsibilities include, but are not limited to, productive participation on departmental, college, and university-wide committees; mentoring and advising graduate and undergraduate students; holding regular office hours; curriculum development, assessment and improvement, particularly with regard to student learning outcomes; participation in scientific meetings and peer-review activities associated with one's area of specialization; and remaining current in both subject area and teaching methodologies.

Essential Job Tasks:

- Prepare course materials such as syllabi, lecture and discussion materials, readings and assignments, assessments and exams, and learning resources;
- Teach undergraduate or graduate courses that engage students and encourage active learning in both the lecture and the laboratory environment;
- Plan, evaluate and revise curricula, course content, course materials, and methods of instruction;
- Evaluate and grade students' class work, assignments, papers, exams or reports in a timely manner and maintain student grades and other required records;
- Participate in assessment activities and program reviews as directed by the Department;
- Hold regularly-scheduled office hours for the purpose of advising and assisting students;
- Oversee the coordination of labs and equipment needed for labs and work with stockroom staff on lab preparation if assigned lab coordinator duties;
- Conduct research in one's field of interest and present findings in peer-reviewed journals with SFSU student co-authors and at scientific meetings;
- Supervise and train students in laboratory safety and the technical skills needed to conduct research in research program;
- Mentor undergraduate and graduate students in research practices from technical skills to data analysis and experimental design and including writing and presentation skills appropriate to their professional development;
- Actively engage in the scientific community by participating as a reviewer for publications and grants and participating in meetings and collaborations as needed by one's field;
- Actively participate on assigned department, College and University committees in accordance with department or College needs, and SF State's strategic vision;

- Actively participate in collegial interactions in fulfilling service assignments and other duties at the department, college, and university level.
- Additional duties as assigned.

San Francisco State University is a member of the CSU system and serves a diverse student body of 30,000 undergraduate and graduate students. The University seeks to promote appreciation of scholarship, freedom and, human diversity through excellence in instruction and intellectual accomplishment. San Francisco State University faculty are expected to be effective teachers and demonstrate professional achievement and growth through research, scholarship, and/or creative work. Our goal is to attract a world-class and diverse faculty committed to build a multicultural educational environment.

San Francisco State University is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversity. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or other legally protected category. We strongly encourage the application of individuals from historically underrepresented groups.