



### Program Length

30 semester units  
(2-year program)

### Faculty

Dr. Douglas Smith  
Chair, Department of  
Chemistry & Biochemistry

Dr. David Maynard  
Chair, Department of  
Physics & Astronomy

Kimberley Cousins  
Graduate Advisor

Sara Callori  
Paul K. Dixon  
Young Min Kim  
Joyce Pham  
Timothy Usher  
Renwu "John" Zhang  
Enrique Contreras



## MS Materials Science

### College of Natural Sciences

The interdisciplinary Master of Science in Materials Science program will be offered jointly by the Departments of Chemistry & Biochemistry and Physics & Astronomy. The program is partnered with our Center for Advanced Functional Materials, and employs state-of-the-art scientific equipment across both participating departments, as well as the College of Natural Sciences. Financial support may be available via employment as teaching assistants or as research stipends.

### Coursework

Students can choose from two concentrations in the program that share a common core of coursework in the fundamental science of material structure and reactivity and include practical experience. Our Interdisciplinary Materials Investigation Concentration culminates in laboratory research on a problem in materials science, with a written thesis and oral defense. Our unique Entrepreneurial Concentration culminates in Entrepreneurial course-work and final project in conjunction with a community partner or employer. Students with undergraduate majors in physics, chemistry, or materials science will be well prepared to enter the program, and other STEM majors may be admitted with additional undergraduate coursework in physics or chemistry required.

### Careers

We anticipate our graduates will pursue careers in a variety of areas of chemistry, physics and materials science industries and government labs, including in aerospace industries, surface and coatings companies, advanced materials, and semi-conductor workforce. Graduates may also be employed as college or university lecturers, or apply to Ph.D. programs in physics, chemistry or materials science.

### Apply Today

Visit our website for more information: [csusb.edu/center-advanced-functional-materials](http://csusb.edu/center-advanced-functional-materials). Visit the Graduate Studies website for the Cal State Apply application, processes and deadlines: [csusb.edu/graduate-studies/prospective-students](http://csusb.edu/graduate-studies/prospective-students). Deadline for Fall 2025 April 30, 2025.

### Office of Graduate Studies

College of Education 356  
(909) 537-5058  
[gradrecruitment@csusb.edu](mailto:gradrecruitment@csusb.edu)  
[csusb.edu/graduate-studies](http://csusb.edu/graduate-studies)

### Graduate Advisor

Dr. Kimberley Cousins  
Chemical Sciences, Room 213  
(909) 537-5391  
[kcousins@csusb.edu](mailto:kcousins@csusb.edu)