



MS Materials Science

College of Natural Sciences

WE DEFINE THE *Future*

Program Length

30-31 semester units
(2-year program)

Faculty

Dr. Douglas Smith
Chair, Department of
Chemistry & Biochemistry

Dr. Laura Woodney
Chair, Department of
Physics & Astronomy

Kimberley Cousins
Program Coordinator

Sara Callori
Paul K. Dixon
Youngmin Kim
Joyce Pham
Renwu "John" Zhang
Enrique Contreras



The interdisciplinary Master of Science in Materials Science program is offered jointly by the Departments of Chemistry & Biochemistry and Physics & Astronomy. The program will be partnered with our Center for Advanced Functional Materials, and will employ state of the art scientific equipment across both participating departments, as well as the College of Natural Sciences.

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 Thesis 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 coursework 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 semiconductors. Graduates may also be employed as college or university lecturers, or apply to PhD programs chemistry, physics or materials science.

We are now recruiting for Fall 2026

Apply Today

Visit our website for more information: <https://www.csusb.edu/ms-materials-science>. Visit the Graduate Studies website for the Cal State Apply application, processes and deadlines: csusb.edu/graduate-studies/prospective-students.

Office of Graduate Studies

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Graduate Coordinator

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