



MS Materials Science

College of Natural Sciences

Program Length

30 semester units
(2-year program)

Faculty

Dr. Douglas Smith
Chair, Department of
Chemistry & Biochemistry

Dr. Javier Torner
Chair, Department of
Physics & Astronomy

Kimberley Cousins
Program Coordinator

Sara Callori
Paul K. Dixon
Youngmin Kim
Joyce Pham
Timothy Usher
Renwu "John" Zhang



The interdisciplinary Master of Science in Materials Science program will be 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 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. Graduates may also be employed as college or university lecturers, or apply to Ph.D. programs in physics, chemistry or materials science.

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Office of Graduate Studies

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Program Coordinator

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