

# DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

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Location: 121B Chemistry Building

Phone: 409.880.8267

Chair: Ozge Gunaydin

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The Department of Chemistry and Biochemistry provides an undergraduate program designed to train students as professional chemists, with American Chemical Society certification, qualified to obtain employment in industry, education, or to enter postgraduate programs in professional or academic areas. The department also provides service courses for sciences, engineering, pre-health sciences, pre-professional, education, and non-technical majors. The Master of Science program in Chemistry prepares students for advanced graduate studies or entry into industrial or educational positions.

The departmental mission is to:

- Ensure quality instruction as a primary focus.
- Provide a positive learning environment for students.
- Promote scholarship by mentoring students.
- Maintain a faculty of teacher scholars.

The Department offers programs leading to B.S. and B.A. degrees in Chemistry, the B.S. in Forensic Chemistry and the B.A. in Biochemistry. In addition, the department offers pre-professional programs to prepare students for entrance into various professional programs such as medicine, dentistry, veterinary medicine, and pharmacy. The Chemistry and Biochemistry Department has active research programs in several areas including environmental chemistry biochemistry, surface chemistry, computational chemistry, materials science, polymer chemistry, transition metal coordination chemistry, molecular spectroscopy, organic reaction mechanisms. Undergraduate students are strongly encouraged to take advantage of the opportunity to participate in one or more of these programs.

## Pre-Professional Programs

For details concerning pre-medicine, pre-dental and other pre-professional programs leading to professions in medicine, consult the College of Arts and Sciences section of this bulletin.

## Teacher Certification

Students wishing to teach chemistry, or integrated chemistry and physics in Texas public schools should consult with the department chair for detailed information.

## Programs

- Biochemistry (B.A.) (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/biochemistry-ba/>)
- Chemistry (B.A.) (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-ba/>)
- Chemistry (B.S.) (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-bs/>)

- Chemistry (B.S.) Biochemistry Option (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-bs-biochemistry-option/>)
- Chemistry (M.S.) Non-thesis (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-ms-non-thesis/>)
- Chemistry (M.S.) Thesis (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-ms-thesis/>)
- Chemistry Minor (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/chemistry-minor/>)
- Forensic Chemistry (B.S.) (<https://catalog.lamar.edu/college-arts-sciences/chemistry-biochemistry/forensic-chemistry-bs/>)