

**Department/School:** Chemistry

**Vision:** *We strive to be the leading Chemistry program in the Rio Grande Valley and beyond by offering outstanding opportunities to students, faculty and staff through excellent teaching, innovative research, creative scholarly activity, professional development and community engagement and by cultivating scholars who will become leaders in the local and global communities. (approved 1/2020)*

**Mission:** *The Department of Chemistry provides a path to a better life through a comprehensive education for student success delivered by accomplished and passionate scholars supported by professional and caring staff. The Department serves its students and the Rio Grande Valley community through innovative academic programs, community outreach, and impactful research.*

**Core Values:** *Professionalism/Respect/Teamwork/Integrity/Empathy/Student Success/Research*

## PROFILE

**Majors:**  
 Chemistry  
 Chemistry (Teacher's 7-12 Certification)

**Graduate Programs:**  
 M.S. Chemistry  
 M.S. Biochemistry & Molecular Biology

**Students**

- Number of Students: 249 (undergraduate Spring, 2020 )  
 46 (graduate Spring, 2020)
- Characteristics: (e.g., graduate, undergraduate)

**Faculty**

- Number of Faculty: 35
- Ranks: Professors 6 Associate Prof. 6 Assistant Prof. 7 Lecturers 14 Part-time Lecturers 2

**Campus Program Offering**

100 % of program/courses are available at both campuses (*face-to-face, online, hybrid, or ITV*)

97 % of program/courses are available at both campuses for UTEACH 7-12 Science Teacher Certification (*face-to-face, online, hybrid, or ITV*)

100 % of program/courses in the first 2 years of study per major map are available at both campuses (*face-to-face, online, hybrid, ITV*)

100 % of program/courses in the upper division are available at both campuses (*face-to-face, online, hybrid, ITV*)

100 % of graduate program/courses are available at both campuses (*face-to-face, online, hybrid, ITV*)

*Note: You may include details of availability by campus and any other related information that would be helpful.*

**Stats & Highlights:**  
 30 years of support through Elliott Endowed fund and Welch Foundation grant  
 UTEACH (Chemistry teacher's certification program)  
 M.S. Chemistry  
 M.S. Biochemistry & Molecular Biology (New interdisciplinary program)  
 Minor in Chemistry  
 Minor in Biochemistry

**Success Stories/"Bragging":**

**ACS re-certification in progress**

**Common General Chemistry course final exam**

**Common digital platform for General Chemistry lab curriculum**

**Common digital platform for General Chemistry 1311 and 1312 lecture curricula**

**Outstanding examples of student-centered learning and high impact practices**

**All graduates accomplish chemical or biochemical research experience**

**Improvements in capstone course and assessment results**

**Increasing number of Graduate Teaching Assistant (GTA) are in charge of labs**

**Innovative training program for GTAs and GAs in the lab**

**Growing graduate program and course offerings**

**4+1 BSMS in Chemistry in the works**

**Strongly engaged with the community through invited chemistry magic shows, science fairs and chemical demonstrations**

**Very diverse group of faculty**

**B.S. and M.S. Graduates have pursued Graduate School, Pharmacy School, Medical School, Dental School, Optometry School, and Physician Assistant Studies**

**B.S. and M.S. Graduates have been employed in Industry, National Laboratories, Institutions of Higher Education, High Schools, and state and federal agencies.**

**Traditions:**

**National Chemistry Week**

**Mole Day**

**Undergraduate Research Program**

**Graduate Research Program**

**Elliott Chemical Society Magic Show**

**Mantra/Slogan: *Branding in process: Chemistry Matters/Chemistry leads the World/Chemistry Excites/ Chemistry Creates/Chemistry is Everything/Chemistry is the Economy/Chemistry Attracts***