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

<table>
<thead>
<tr>
<th>Majors:</th>
<th>Chemistry</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>Teacher’s 7-12 Certification</td>
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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