Department/School: The Department of Electrical & Computer Engineering (ECE);

Vision: TBD

Mission: The mission of the Department of Electrical and Computer Engineering is to produce graduates with quality education for the practice of engineering and with sufficient knowledge depth to continue their education beyond the baccalaureate degree. The curriculum prepares graduates for local, regional or world-wide employment in the engineering profession or placement in a graduate school. The department offers students opportunities to participate in scholarly activities including supervised research, industrial internships or co-op experiences, professional organizations, and provides liberal access to the computational facilities and laboratories. Readily accessible faculty members who continuously strive to improve the instructional materials and methods of dissemination, practice lifelong learning by participating in the latest developments in their chosen areas of expertise and by interacting across disciplines.

PROFILE

Majors:
1. ABET accredited BSc Program: BS in Electrical Engineering
2. ABET accredited BSc Program: BS in Computer Engineering

Graduate Programs:
MSE in Electrical Engineering with multiple concentrations: Computer Engineering, Digital, Power & Control, Electronics, Electromagnetic circuit and system

Students
- Number of Students: 848
- Characteristics: 372 electrical engineering undergraduate students, 420 computer engineering undergraduate students, 56 electrical engineering graduate students
- We have local, out of state & international students

Faculty
- Number of Faculty: 22: Tenured/Tenure track: 17
- Ranks: Professors: 7; Associate Prof. 9; Assistant Prof. 1; Lecturers: 5

Campus Program Offering
BS in Electrical Engineering
100% of program/courses are available at both campuses (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)

BS in Computer Engineering
85% of program/courses are available at both campuses (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)
80% of program/courses in the upper division are available at both campuses (face-to-face, online, hybrid, ITV)

MSE in Electrical Engineering
100% of graduate program/courses are available in Edinburg campuses (face-to-face, online, hybrid, ITV); We are expanding the MSEE program in Brownsville by increasing the face to face courses and by offering ITV courses

Stats & Highlights:
- The BSEE program first earned accreditation (as UTPA) in 1996. The BSCMPE program first earned accreditation (as UTPA) in 2008. Both programs have been accredited as UTRGV since 2015.
- 12 cutting edge teaching and research laboratories
- Many of our UG students (before graduation) are getting multiple job offers from the top high-tech companies like NASA, Intel, Texas Instrument, IBM, General Motors GM, Qualcomm and many others.
We serve over 800 undergraduate and graduate students through our bachelor's and master's degree programs, with course offerings, teaching facilities, and research labs at both the Edinburg and Brownsville campuses.

- The degree programs prepare students for lifelong growth in some of the world's fastest growing professional fields.
- BSEE: We offer full program in Edinburg and in Brownsville
- BSCE: We offer full program in Edinburg, we offer 85% of the program in Brownsville
- New Graduate programs: The MSE in Computer Engineering and the M.S. in Biomedical Engineering programs are in progress

Success Stories/"Bragging":
- The ECE department prepares qualified and skilled graduate and undergraduate students who are working at world famous industries,
- In Spring 2020, a computer engineering UG student (even before graduation) got 9 full time job offers from the world top ranked high-tech companies
- In fall 2019 an electrical engineering UG student (even before graduation) got 7 full time job offers from the world top ranked high-tech companies
- The ECE Robotics student team was placed 4th overall, and ranked 1st among all participating teams from universities in Texas
- The Industrial Assessment Center IAC, DOE Grant $1.5M. The center has a large community impact in research and education.
- Our alumni are successful in a wide variety of industry and government career. The department is making impact across the nation.
- The Department has cutting-edge research laboratories, which include a Biomedical Research lab, a Digital lab, Electromagnetics/RF lab, Fiber Optical Communication lab, Networking Research lab, PC Cluster lab, and Sputtering System lab.
- The senior design students received ExCEllence Gift / Award from National Instruments for their design showcase in June 2019
- Only one ABET accredited Engineering program in Brownsville, BSEE.
- The department offered Hardware Programming Summer Camp for K-12 students in 2019

Traditions:
- Our undergraduate degrees (B.S. in Electrical Engineering and B.S. in Computer Engineering) are accredited by the Engineering Accreditation Commission of ABET, [http://www.abet.org](http://www.abet.org).
- The Department is committed to providing the best quality education to students in a multicultural and intercultural setting.
- Our alumni are successful in a wide variety of industry and government career.
- The department has committed faculty and staff.
- The faculty members are active in cutting edge research
- Faculty advisors: One on one academic advising is available for each student (Electrical Engineering and Computer Engineering)
- Student organizations. ECE students are involved in IEEE, SHPE, ACM, SWE, ASME and many others
- Medal Ceremony: We recognize all our graduates (Computer & Electrical Engineering students)
- Engineering Week: Students/faculty showcase their research projects
- Recognition Awards: We recognize outstanding ECE students and outstanding faculty
- Each semester all capstone design teams present their senior design projects

Mantra/Slogan: We inspire excellence and innovation.