MECHANICAL ENGINEERING:

Mechanical Engineering is a discipline that involves the application of principles of sciences, mathematics and engineering topics necessary to model, analyze, design, and realize physical systems, components or processes. Mechanical Engineering prepares students to work professionally in both thermal and mechanical system areas. Some examples are dynamics and control of unmanned aircraft, self-driving cars and undersea vehicles, kinematics and dynamics of robots, thermal management and flow control of refinery processes, and energy harvest from renewable sources.

Discover Your Island

Discover the Island University, the only university in the nation located on its own island, at the heart of the Texas Gulf Coast. With palm tree-lined pathways throughout the campus, nearby natural wetlands, a scenic hike-and-bike trail and a university beach, Texas A&M University-Corpus Christi is a first-choice institution.

Texas A&M University-Corpus Christi has been proudly providing a solid academic reputation, renowned faculty and highly-rated degree programs since 1947. We’re one of only six federal test sites for unmanned aircraft systems (UAS) in the nation. In addition, our Harte Research Institute is dedicated to advancing the long-term sustainable use and conservation of the Gulf of Mexico. The prestige of a Texas A&M-Corpus Christi degree is known worldwide.

Engineering Creates Our World

For more information, contact:

Program Coordinator for Engineering Recruitment & STEM Outreach
Texas A&M University-Corpus Christi
6300 Ocean Dr., Unit 5797
Corpus Christi, TX 78412-5797
361.825.6025
engineering.tamucc.edu

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About Our Program

Texas A&M University-Corpus Christi offers a four-year Bachelor of Science in Mechanical Engineering degree program. Our program is accredited by the Engineering Accreditation Commission of ABET. We prepare well-educated, highly skilled, and socially and professionally responsible engineers who represent a diverse population. We utilize input from employers, alumni and an industry advisory board to keep our programs relevant and timely. Our graduates are well-prepared to handle today’s engineering challenges.

Our graduates are well grounded in the fundamentals of engineering, mathematics, science, communications and problem solving. Our courses highlight the application of established engineering and computer knowledge as well as the methods, processes, skills and materials used in applying technology. Our program emphasizes both theory and application of scientific and engineering methods, preparing students for immediate employment or continued education.

Our engineering curriculum offers students an option to pursue secondary focus areas within the major and to be prepared to become “engineers and more” in career development. The options include (a) a five-year MBA and Engineering degree program for eligible students, (b) certificate programs such as unmanned aircraft systems application, and (c) depth of knowledge in chosen fields. We embrace diversity, inclusiveness and quality, as well as rigor, innovation, excellence and fun in student learning experiences.

Exceptional Facilities

The laboratories are furnished with quality state-of-the-art equipment that facilitates experimental work in teaching and research. Multimedia stations are abundant. Mechanical Engineering utilizes nine major laboratories to support its programs: Prototyping, Design Graphics, Material Science, Measurements, Capstone Projects, Control Systems, Basic and Advanced Electronics, and Manufacturing Processes.

Experienced and Qualified Faculty

Our faculty are highly qualified with extensive experience as educators, in industry and research. Faculty mentor undergraduate students in research and development in Unmanned Aircraft Systems (UAS), Remote Operated Vehicles (ROV), Imaging, and Renewable Energy research projects. Faculty members are committed to integrating their teaching, research and service. We keep class sizes small to allow ample opportunity to work one-on-one with your instructors.

Financial Assistance

Numerous scholarships and financial aid programs are available for qualified students, including many scholarships funded by professional organizations. Visit scholarships.tamucc.edu to learn more.

ENGINEERING IS:

- Developing new machine designs
- Creating new materials and processes
- Discovering alternative sources of energy
- Exploring new research frontiers
- Inventing new land, sea and aerospace vehicles
- Developing unmanned systems

Do you want to improve peoples’ lives? Mechanical engineers use the discoveries of scientists to create new and improved products and processes. When you become a mechanical engineer, you may be the one to change the world.