

Post-Baccalaureate Certificate in Automotive Engineering

About This Program

The University of Texas at Arlington is pleased to offer a Post-Baccalaureate Certificate in Automotive Engineering through the Arnold E. Petsche Center for Automotive Engineering. This certificate confirms the student's commitment to automotive engineering and the learning experience gained from being a contributing team member of a student design competition.

Competencies

1. Upon completion, a student will be able to describe the various systems on an automobile.
2. Upon completion, a student will be able to work in a team environment for a common goal.
3. Upon completion, a student will be able to design, analyze, and fabricate parts.

Admissions Criteria

Students already enrolled in a master's degree program at UT Arlington may enroll by submitting the appropriate application form to the certificate program director and the student's academic graduate advisor. Students who have completed a master's degree may apply for admission to UT Arlington as a non-degree seeking student. In either case, a minimum GPA of 3.0 in master's degree work is required.

Students wishing to enroll only in the certificate but not a graduate degree program may apply for admission to UT Arlington as a non-degree seeking student. The GRE is not necessary. Admission to the certificate program allows participants to take the specific courses approved for the certificate program. Students are not allowed to take courses in excess of those required for the certificate. A bachelor's degree in engineering with a GPA of 2.8 is required for admission. Students with GPAs lower than 2.8 may be recommended for admission as special student by the Director of the Arnold E. Petsche Center for Automotive Engineering, based on the following admission enhancing factors:

1. the applicant's work experience and level of responsibility;
2. two letters of recommendation.

Curriculum

Foundations

Select 9 hours from the following: 9

ME 5340	AUTOMOTIVE ENGINEERING	
ME 5358	RACECAR ENGINEERING	
ME 5341	CONTROL SYSTEM COMPONENTS	
ME 5378	INTRODUCTION TO UNMANNED VEHICLE SYSTEMS	

Another graduate level engineering course approved by the director of the Arnold E. Petsche Center for Automotive Engineering.

Applications

ME 5359	APPLIED AUTOMOTIVE ENGINEERING ¹	3
ME 5010	AUTOMOTIVE ENGINEERING PRACTICUM ²	0

Total Hours 12

¹ Upon completion of 9 hours of required coursework, the student may request enrollment from the director of the Arnold E. Petsche Center for Automotive Engineering.

² Has no academic credit and does not require a tuition fee. Students must gain approval to enroll from the director of the Arnold E. Petsche Center for Automotive Engineering.

Program Completion

Students shall be awarded the Post-Baccalaureate Certificate in Automotive Engineering by the College of Engineering and the Graduate School upon satisfactory completion of the certificate requirements with an overall grade point average of 3.0.

Advising Resources

Advising can be conducted in person or remotely via Teams. Please email your advisor to schedule an appointment. The advising form can be downloaded from the MAE Grad Advising Canvas page. First consult with your advisor if you are planning a Leave of Absence, Grade Forgiveness, or Change of Program.

Location:

306 Woolf Hall

Email:

MAEGradAdvising@uta.edu

Phone:

817-272-2500

Web:

Graduate Advising Webpage (<https://www.uta.edu/academics/schools-colleges/engineering/academics/departments/mechanical-aerospace/students/gradadvising/>)