Post-Baccalaureate Certificate in Electronic Packaging

About This Program

The Post-Baccalaureate Certificate in Electronic Packaging provides graduate-level knowledge in the field of electronic packaging, with a concentration on numerical and experimental characterization of thermo/mechanical issues. Courses are taught by faculty of the departments of Mechanical and Aerospace Engineering and Materials Science and Engineering, plus other UT Arlington faculty and adjunct faculty as needed. Technical material covered in the classroom will be complemented by a number of seminars by industry leaders in the packaging field. Completion of the certificate program will provide a head start for UT Arlington students when joining industry and skills-enhancement opportunities for current industry employees.

There are two enrollment options: as a student pursuing a graduate degree or as a non-degree-seeking special student. The special student avenue is tailored for individuals currently employed in an electronics-related industry.

Competencies

1. Upon completion, students will be able to analyze and characterize thermo/mechanical response of electronic packages using numerical and experimental methods.
2. Upon completion, students will be able to apply principles of mechanical and materials engineering to design and develop advanced electronic packages.

Admissions Criteria

Applicants on a degree track must be admitted to the master's degree.

Non-degree students must have a BS degree and a minimum GPA of 2.5. Special students who decide that they want to pursue a graduate degree after starting as a special student may transfer up to 12 credit hours of graduate level courses to the graduate program.

Curriculum

Select 4 from the following:		12
ME 5317	CONVECTION HEAT TRANSFER	
ME 5352	FUNDAMENTALS IN ELECTRONIC PACKAGING	
ME 5353	COMPUTATIONAL TECHNIQUES FOR ELECTRONIC PACKAGING	
ME 5390	SPECIAL TOPICS IN MECHANICAL ENGINEERING	
EE 5343	SILICON INTEGRATED CIRCUIT FABRICATION TECHNOLOGY	
EE 5344	INTRODUCTION TO MICROELECTROMECHANICAL SYSTEMS (MEMS) AND DEVICES	
ME 6314	FRACTURE MECHANICS	
Total Hours		**12**

Program Completion

Students must have a cumulative GPA of 3.0 in the four selected courses. The time limit for completion of the certificate is six years.

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/)