Certificate in Electric Propulsion

About This Program

The certificate program will emphasize the common aspects of Electric Propulsion including power electronics, electric machines and drives, or energy distribution systems.

Competencies

1. Upon completion, students will be able to model, analyze, or control power electronics circuits and systems.
2. Upon completion, students will be able to model, analyze, or control electric machines and drives.
3. Upon completion, students will be able to understand the impact of power quality.

Admissions Criteria

Current enrollment at Junior level in an engineering undergraduate's program at UTA.

Curriculum

Foundations		
EE 4375	INTRODUCTION TO POWER ELECTRONICS	3
EE 4370	ELECTRIC MOTOR DRIVES	3
Electives		
Select 1 from the following:		3
EE 4371	POWER SYSTEM PROTECTIVE RELAYING	
EE 4372	POWER SYSTEM DISTRIBUTION	
EE 4373	POWER QUALITY	
Total Hours		**9**

Program Completion

All courses used to satisfy the certificate requirements must be passed with a grade of B or better. The time limit for completion of the Certificate Program is 2 years.

Advising Resources

First time in college students meet with engineering advisors in the UAEC (UAECengineering@uta.edu). Transfer students are advised prior to New Maverick Orientation by the department. Students, please read all student emails carefully and consult the department advising webpage for additional contact information and answers to common questions.

ELECTRICAL ENGINEERING

Location:

NH 501

Email:

ee_ug_advising@uta.edu

Phone:

817-272-2671

Web:

Schedule Advising (https://outlook.office365.com/owa/calendar/EEAdvising@bookings.uta.edu/bookings/)

RESOURCE AND ENERGY ENGINEERING

Location:

NH 513

Email:

ree_ug_advising@uta.edu

Phone:

817-272-6514

Web:

Schedule Advising (https://outlook.office365.com/book/EEAdvising@bookings.uta.edu/)