

AUTONOMOUS MOBILITY CERTIFICATE

Program Description

Advances in autonomous mobility will increase the efficiency of the movement of people and products, whether on the road or in the factory. The Certificate in Autonomous Mobility is designed to provide students with an in-depth introduction to autonomous mobility from a human factors and operations standpoint. The certificate program will address the issues of human-machine interaction with an emphasis on autonomous systems, basic transportation concepts, and the management of processes involving mobility and transportation. The Capstone Projects course will include case studies of autonomous mobility in urban environments, such as working with Corpus Christi Regional Transportation Authority on the feasibility of autonomous bus transport on campus and within the region. Students in the TAMU-CC Industrial Engineering Bachelor of Science (BS-IEEN) program will be able to complete the Autonomous Mobility Certificate while completing their BS degrees by taking the required Capstone Project course ENGR 4370 and the three specific courses listed below as the three technical elective courses (9 hours) required in the BS-IEEN program. All students admitted into the Autonomous Mobility Certificate Program must meet the undergraduate admission requirements for TAMU-CC and must satisfy all prerequisites for courses in the certificate program. Transfer credit for some required courses may be considered. Students are expected to meet all other academic standards. Students must apply for the certificate and complete a Certificate Plan approved by the Director of the School of Engineering and Computing Sciences or a designee.

For Additional Information

Website: <http://engineering.tamucc.edu>

Mailing Address:

Department of Engineering
College of Engineering
Texas A&M University - Corpus Christi
6300 Ocean Drive, Unit 5797
Corpus Christi, TX 78412-5797

Program Requirements

Code	Title	Hours
Required Courses		
CEEN 4306	Transportation Engineering	3
ENGR 4370	Capstone Projects	3
IEEN 4324	Human Factors and Autonomous Systems	3
IEEN 4334	Scheduling and Sequencing	3
Total Hours		12

Note: Students must earn at least a 2.5 overall grade point average in certificate courses.