

AUTOMATION - CONTROL AND INTERFACE

Overview

Automation - Control and Interface Technical Certificate

Program Code: 40-605-CF

Explore the fundamentals of electronics, current circuits, semiconductor materials and component operation. Study power distribution circuits including in-plant distribution, transmission substation and distribution substation. Explore operational controls, characteristics, functionality and interfacing of DC and AC drives. Practice drive set-up and wiring, and develop an understanding of industrial sensors.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C
Program GPA = 2.0

Required Courses

Code	Title	Credits
Core Courses		
414-186	Industrial Electricity	2
605-129	Elect Pwr Ctrl & Motors	3
605-138	SS Devices for Automation	2
605-196	Drives and Intro to Servos	2
605-197	Sensors and Process Control	2
Total Credits		11