

ENGINEERING AUTOMATION TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3522

This program provides students the knowledge and training they need to enter a specialized career or enhance their skills for advancement in their job. Coursework completed while earning a Certificate can also be applied to an Associate Degree. The Engineering Automation Certificate provides a student the necessary skills for an entry level/internship opportunity in the automation field with a focus design, production and control of automation tools and equipment.

Program Student Learning Outcomes

- Create and design robotic tools using automated equipment.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
ADMT 50	Advanced Manufacturing, Introduction	3
CAD 6	Computer Aided Design Advanced	3
ELECT 230A	Robotics Technology - Design	2
ELECT 230B	Robotics Technology - Integration	2
ELECT 231	Electro-Hydraulics and Pneumatic Systems	2
ETEC 60	Material Science for Engineering Tech	3
MTFAB 280	Introduction to Robotic Welding	2.5
Total Units		17.5