AUTOMATION TECHNICIAN - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3931

This program will prepare students for entry-level employment in the automation systems maintenance and troubleshooting industry. This includes work in Advanced Manufacturing Facilities and companies that use underwater robots. The techniques used in both industries are similar and there is significant crossover between the two. Upon completion the student will be able to install, maintain, and repair automation systems in a safe and workmanlike manner.

Program Student Learning Outcomes

- Develop procedures for the successful installation, maintenance and troubleshooting of robotic, PLC and automation control systems.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
ELECT 227	Variable Speed Drive Fundamentals	2
ELECT 230A	Robotics Technology - Design	2
ELECT 230B	Robotics Technology - Integration	2
ELECT 231	Electro-Hydraulics and Pneumatic Systems	2
ELECT 256	High Voltage Safety Awareness	1
ELECT 435B	Programmable Logic Controllers (PLC) 1	2
Total Units		**11**