



Industrial Control System Programming Skill Set

State ID: GAB03

About this course

This skill set is a part of an Advanced Diploma of Engineering Technology (Electrical)-UEE62111 and it is designed to develop your skills in computer based measurement, programming and control by exploring PLC and SCADA systems. The strong laboratory and project based approach provides students with practical experience in using these systems in an industry environment. Students will gain experience in working with a small scale system involving designing, programming, fault finding, testing and networking.

Course Units:

- WC666 UEENEEI150A Develop, enter and verify discrete control programs for programmable controllers
- WC667 UEENEEI151A Develop, enter and verify word and analogue control programs for programmable logic controllers
- WC668 UEENEEI152A Develop, enter and verify programs in supervisory control and data acquisition systems
- WC671 UEENEEI155A Develop structured programs to control external devices
- WC670 UEENEEI154A Design and use advanced programming tools PC networks and HMI Interfacing

On completion of this skill set you will receive a statement of attainment and may be able to work as an Automation Technician/Programmer or Building Control System Technician/Programmer. If you have any relevant experience, you may be able to work as a PLC/SCADA Programmer.

To do this skill set, you might need to complete some pre-requisite units. So, if you've studied previously or have relevant experience, please talk to us about Recognition of Prior Learning {RPL} credits.

Pre-Requisite Units

- UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace and

You may be eligible to apply for Recognition of Prior Learning (RPL) credits for the above mentioned units based on your previous qualification or work experience. Recognition of Prior Learning will be supported by a qualified assessor. Students are encouraged to speak to lecturers if they feel they have any existing skills that may be formally recognised towards the achievement of a unit or qualification.

Overview

Semester 2, 2019

Munster Campus - 28 June to 13 January



Duration: **10 Weeks**



When: **Semester 2, 2019**



How: **Part Time**



Fees:

Non-concession

\$1,979.74

Units

Core

National ID	Unit Title
UEENEEI150A	Develop, enter and verify discrete control programs for programmable controllers
UEENEEI151A	Develop, enter and verify word and analogue control programs for programmable logic controllers

National ID	Unit Title
UEENEEI152A	Develop, enter and verify programs in Supervisory Control and Data Acquisition systems
UEENEEI154A	Design and use advanced programming tools PC networks and HMI Interfacing
UEENEEI155A	Develop structured programs to control external devices

Study pathway

This skill set is 1 of 5 evening skill sets offered. Completion of all 5 skill sets will achieve Advanced Diploma of Engineering Technology - Electrical - UEE62111

Job opportunities

On completion of this skill set you will receive a statement of attainment and may be able to work as an Automation Technician/Programmer or Building Control System Technician/Programmer. If you have any relevant experience, you may be able to work as a PLC/SCADA Programmer.

For information about jobs and pathways, please see <http://joboutlook.gov.au/>