



Industrial Control System Programming Skill Set

State ID: GAB03

About this course

This skill set is a part of the UEE62111 Advanced Diploma of Engineering Technology (Electrical) 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.

This course consists of a weekly 3 hour workshop on campus and requires an additional 6 to 8 hours a week of self directed study using our Mechatronics facility at Munster campus.

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

Pre-Requisite Units

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

You may be eligible to apply for Recognition of Prior Learning (RPL) credits 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.

Upcoming dates:

- Tuesday starting from 2nd Feb 2021 - 4:30pm to 8:30pm for 20 weeks.

Course cost:

non concession: \$1993.74

Please note, the allocated three hours per week is only for the workshop and lectures and the remaining study has to be done using our LMS system i.e. Blackboard. Blackboard is where lecturers will populate their learning content, assignments and lesson plans. It is an expectation that students spend 6 to 8 hours of study time every week outside class hours/skillset.

Overview

This course may be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide any specific instructions if your training delivery style needs to change.

All year round, 2021

Munster - Part Time-Classroom



Duration: **20 Weeks**



When: **All year round**



How: **Part Time**

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
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/>