



Engineering Energy Sector Skill Set

State ID: GAA31

About this course

The Applied Electrical Engineering Solutions in Energy Sector skill set is part of the Advanced Diploma Engineering Technology-Electrical. Student will gain the calculation techniques start from a solid foundation to advanced mathematical processes such as Algebra, Statistics, and MATLAB Software to apply solutions to solve the practical problem in the electrical engineering tasks. And further developing strategies to address environment and sustainability issues in the energy sector and understanding an organisation's occupational health and safety policies and procedures.

Students will learn to develop strategies to address environmental and sustainability issues in the energy sector and will form an understanding of an organisation's occupational health and safety policies and procedures.

Pre-requisites:

- UEENEEE101A - Apply Occupational Health Safety regulations, codes and practices in the workplace
- UEENEEE129A - Solve electrotechnical engineering problems

Course Outline:

- UEENEEE126A - Provide solutions to basic engineering computational problems
- UEENEEE124A - Compile and produce an energy sector detailed report
- UEENEEE117A - Implement and monitor energy sector OHS policies and procedures
- UEENEEK132A - Develop strategies to address environmental and sustainability issues in the energy sector
- UEENEEE081A - Apply material science to solving electro technology engineering problems

- UEENEEE082A - Apply physics to solving electro technology engineering problems

Upon completion of the course a student will be able to demonstrate they have learned:

- How to apply the basic and advanced mathematics to solve problems
- How to understand and produce reports
- How to analyse and interpret workplace documents, tables and charts
- How to apply an extensive knowledge of sustainable energy systems and components, workplace safety policies and procedures.

This is part of UEE62111 Advanced Diploma of Engineering Technology - Electrical, a nationally recognised qualification.

Part time evening class with a combination of face to face and Blackboard delivery.

2019 Dates

- Commencing July, Term 3, 2019 (17:30 to 20:30)
- Commencing October, Term 4, 2019 (17:30 to 20:30)

Overview

Semester 2, 2019

Munster Campus - October 2019



When: **Semester 2, 2019**



How: **Part Time**



Fees:

Non-concession

\$1,695.08

Units

Core

National ID	Unit Title
UEENEEE081A	Apply material science to solving electrotechnology engineering problems
UEENEEE082A	Apply physics to solving electrotechnology engineering problems
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures
UEENEEE124A	Compile and produce an energy sector detailed report
UEENEEE126A	Provide solutions to basic engineering computational problems
UEENEEK132A	Develop strategies to address environmental and sustainability issues in the energy sector

Job opportunities

After completing all of the Electrical Skill Sets: Electrical Engineer Technologist, Technician, Design and Draftsperson.