UEE50111 Diploma of Computer Systems Engineering

National ID: UEE50111 | State ID: A155

About this course

Are you ready for a high end technology career?

When you complete the Diploma of Computer Systems Engineering you'll be well on your way to a career as an engineering associate, technical officer, or computer systems technician.

You will gain the skills and knowledge to assemble, test, maintain, and troubleshoot a range of electronic devices and computer systems. You will develop your skills to fault-find digital and microcontroller systems, and develop skills in design, configuration and fault-finding computer networks. This course also includes PCB CAD design, microcontroller and object oriented code programming.

By completing this course at South Metropolitan TAFE you'll also gain valuable skills in Cisco CCNA and Cisco Wireless.

Dual qualification: Students will have the opportunity to concurrently complete A160 UEE50511 Diploma of Electronics and Communications Engineering with this course as many units are common to both courses. Ask for more information.

SM TAFE actively promotes the employment availability of course graduates to key industry partners and organisations. We also seek expressions of interest from organisations for the placement of our students into work experience. We endeavour to assist students into a career pathway, but please be aware that neither employment nor work experience placement is guaranteed by us.

Overview

Semester 1, 2020

Thornlie - Full Time-Classroom

Duration: **3 Semesters**

When: **Semester 1, 2020**

How: **Full Time**

Units

Core

National ID	Unit Title
UEENEED144A	Commission industrial computer systems
UEENEED145A	Modify-redesign of industrial computer systems
UEENEEE038B	Participate in development and follow a personal competency development plan
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work
UEENEEK145A	Implement and monitor energy sector environmental and sustainable policies and procedures

Elective

National ID	Unit Title
UEENEEC005B	Estimate electrotechnology projects
UEENEEC006B	Prepare tender submissions for electrotechnology projects
UEENEED101A	Use computer applications relevant to a workplace
UEENEED102A	Assemble, set-up and test computing devices
UEENEED103A	Evaluate and modify object oriented code programs
UEENEED104A	Use engineering applications software on personal computers
UEENEED111A	Develop, implement and test object oriented code
UEENEED112A	Support computer hardware and software for engineering applications
UEENEED117A	Install and configure network systems for internetworking
UEENEED118A	Design and implement network systems for internetworking
UEENEED129A	Develop web pages for engineering applications
UEENEED143A	Install and configure a client computer operating system and software
UEENEED146A	Set up and configure basic local area network (LAN)
UEENEED150A	Develop industrial control programs for microcomputer equipped devices
UEENEEE015B	Develop design briefs for electrotechnology projects
UEENEEE070B	Write specifications for computer systems engineering projects
UEENEEE124A	Compile and produce an energy sector detailed report
UEENEEF108A	Select and arrange equipment for wireless communication networks
UEENEEH115A	Develop software solutions for microcontroller based systems
UEENEEH166A	Troubleshoot microcontroller based hardware systems
UEENEEH181A	Design electronic printed circuit boards

National ID	Unit Title
UEENEEH183A	Analyse the performance of wireless-based electronic - communication systems
UEENEEI155A	Develop structured programs to control external devices
UEENEEI156A	Develop and test code for microcontroller devices

Entrance requirements

School Leaver	Non-School Leaver	AQF
Completion of WACE General or ATAR (Minimum C Grades) or equivalent	Completion of WACE General or ATAR or equivalent (minimum C Grades)	Certificate III

Job opportunities

- When you complete the Diploma of Computer Systems Engineering you'll be well on your way to a career as an engineering associate, technical officer, or computer systems technician.

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

Further study opportunities:

- University

Fees and charges

Indicative fees and charges

2019 general admission fees list
2019 apprenticeship/traineeship fees list

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Priori Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2019
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills

- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our Fees and payment options page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our Student Loans page.

International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the TAFE International WA website.

Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our Apprenticeships and traineeships page.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at $3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

Please note, fees are subject to change.