

TECHNOLOGY

Information Technology / Computing

Subject	Hours	TCE credit points	LIT	NUM	ICT	Recommended prior studies and/or entry requirements
Engineering Design Level 2 - Robotics and Game Design	150	15				• no entry requirements or previous experience
Information Systems and Digital Technologies Level 3	150	15			✓	• no entry requirements, but solid English skills are essential
Computer Science Level 3	150	15			✓	• strong Maths background, especially algebra • SA or better in Maths Methods 3
VET Certificate II in Information, Digital Media and Technology (Statement of Attainment - Technology in the Workplace)	150	15				• no entry requirements but suits someone with an interest in IT in the business context
VET Certificate II in Information, Digital Media and Technology	300+	30+				• an interest in information technology
VET Certificate III in Information, Digital Media and Technology (Statement of Attainment - Hardware Technician)	150	15				• an interest in information technology

Engineering Design 2 - Robotics and Game Design

What will I learn?

- you will be introduced to engineering principles with a focus on software and mechatronics engineering through the context of robotics, game design, and 3D printing.
- develop a foundation for other courses, including Computer Science, and a pathway into robotics, game design, or engineering.

How will I learn and be assessed?

- build and program robots to solve design challenges
- create video games in a range of classic game genres
- undertake research tasks related to robotics and/or the video game industry
- NO external exam.

Other

- this subject provides a great introduction to programming if you would like to learn how to code but aren't quite ready for Computer Science.
- NB: this subject does not give the ICT tick.

Information Systems and Digital Technologies 3

What will I learn?

- about the analysis, design and development of an information system
- develop project management skills to deliver a project from concept to implementation to rollout
- about the ethical and social considerations of digital systems.

How will I learn and be assessed?

- written reports
- major project
- 3 hour external online exam.

Other

- great subject for students wanting to learn how systems can improve an organisations performance
- complements studies in business, law, health, engineering, science, maths, sports and IT.

Computer Science 3

What will I learn?

- the study of computers and algorithmic processes, including problem solving and programming, data representation and the impact of computers on society
- about social and ethical issues and professional responsibilities
- if you enjoy problem solving and have a reasonably strong background in maths, then this is the course for you.

How will I learn and be assessed?

- practical programming tasks, assignments and tests
- 3 hour external exam in November.

Other

- some background knowledge in coding may be useful, but isn't essential as this subject caters for all levels of experience
- this subject leads directly into Computing and IT courses at university.

VET Certificate II in Information, Digital Media and Technology (SOA - Technology in the Workplace)

What will I learn?

- intermediate skills to use various essential workplace technologies including O365
- how to use digital devices and software applications
- how to use information technology safely and sustainably in the workplace
- how social media is used effectively in organisations
- important digital skills employers value in the workplace.

How will I learn and be assessed?

- practical tasks, quizzes and observation checklist
- receive a Statement of Attainment
- no external exam.

Other

- this subject is studied on I line
- it is a great preparation program for the ICT Safety Net Test.

ICT20115 Certificate II in Information, Digital Media and Technology: The Tasmanian Secondary Colleges RTO, code 60100, is the registered training organisation for these qualifications.



VET Certificate II in Information, Digital Media and Technology

What will I learn?

- skills and knowledge to become an advanced ICT user
- to solve ICT related problems
- install printers, operating systems and courses
- how to stay safe and healthy in the workplace
- the skills employers value in young workers.

How will I learn and be assessed?

- troubleshoot computer problems
- build a computer, edit digital images, produce documents and use social media
- operate the Student Help Desk on campus
- work placement in IT Support.

Other

- further study work in information, digital media and technology or other areas of interest.

ICT20115 Certificate II in Information, Digital Media and Technology: The Tasmanian Secondary Colleges RTO, code 60100, is the registered training organisation for these qualifications.



VET Certificate III in Information, Digital Media and Technology (SOA - Hardware Technician)

What will I learn?

- skills and knowledge to support information technology in the workplace
- technician skills and support for the installation and configuration of hardware
- network building and configuration
- how to use information technology safely and sustainably in the workplace.

How will I learn and be assessed?

- practical tasks and quizzes - no external exam
- observation checklists to demonstrate your advanced problem solving skills
- you will receive a Statement of Attainment.

Other

- this subject is studied on I line
- pre-requisites are Certificate II in IT, or students studying pre-tertiary computing subjects.

ICT30118 Certificate III in Information, Digital Media and Technology: The Tasmanian Secondary Colleges RTO, code 60100, is the registered training organisation for these qualifications.

