

Recommendation

This course may be undertaken by students with basic computer skills.

Rationale

Information & Communication Technology includes the study of industry practices and ICT processes through students' application in and through a variety of industry-related learning contexts. Industry practices are used by enterprises to manage ICT product development processes to ensure high-quality outcomes, with alignment to relevant local and universal standards and requirements. Students engage in applied learning to demonstrate knowledge, understanding and skills in units that meet available resources and teacher expertise. Through individual learning experiences, students learn to meet client expectations and product specifications.

Pathways

Studying the Information and Communication Technology can lead to a range of potential pathways. These include studying Computer Science, Software Engineering and Information Technology degrees at a university or related VET courses at TAFE; finding employment in software development, web development, database management, network administration and cybersecurity; starting a business or work as freelancers in fields such as web development, app development or digital marketing.

Objectives

Students have the opportunity to:

- identify and reproduce fundamental industry skills in ICT tasks related to enterprises, ethical use, security, product quality and software tools.
- use knowledge of industry practices and processes to determine the purpose of ICT products, including product specifications and features.
- choose knowledge and skills in ICT tasks relate to enterprises, ethical use, security, product quality and hardware and software tools.
- decide on the combination and order of processes to develop ICT products.
- examine selected processes to determine their merit, value, or significance in relation to product specifications. They appraise products by testing effectiveness and suitability, assessing strengths, implications and limitations using specifications and industry standards.
- modify and improve processes and products based on identified strengths, implications and limitations, including amendments to product elements and components to improve alignment with client briefs, conventions and standards required in an industry-specific ICT task.

Delivery (mode, time requirements, lessons)

Students are expected to undertake independent study to complete tasks and assessment in accordance with the Work Rate Calendar. Students also have access to scheduled lessons each week. Lessons are delivered via QLearn (Canvas).

Student requirements

Computer, Keyboard, Mouse, Internet, Headset (or Headphone and Microphone)

Structure

Information & Communication Technology is a four-unit course of study:

Unit 1	Unit 2	Unit 3	Unit 4
Web development	App development	Digital imaging and modelling	Audio and video production

Assessment

The syllabus contains assessment specifications and conditions for the two assessment instruments that must be implemented with each unit. These specifications and conditions ensure comparability, equity and validity in assessment.

Product proposal	Project
Multimodal Response Requirements: <i>Product</i> in response to the client brief and technical information; <i>Video presentation</i> up to 3 minutes under 30MB.	Multimodal Response Requirements: <i>Product</i> in response to the client brief and technical information; <i>Video presentation</i> up to 5 minutes under 50MB.

Disclaimer All of the above information is accurate at the time of publication.