VCE VET Information, Digital Media and Technology

Program Booklet

Incorporating

ICT20115 Certificate II in Information, Digital Media and Technology (Release 2)

ICT30118 Certificate III in Information, Digital Media and Technology (Release 2)

January 2021

This program was first implemented in January 2017

Modification history

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Status | Release Date | Comments |
| 5.0 | Current | January 2021 | Changed one elective and deleted two Skill Sets. |
| 4.0 | Superseded | January 2020 | Core unit update, changes to electives and more sample programs for completion options |
| 3.0 | Superseded | January 2019 | Moved to Program Booklet |
| 2.0 | Superseded | January 2016 | Minor updates to UoC titles and removal of a repeated UoC.  |
| 1.0 | Superseded | October 2015 | Original Program |

Authorised and published by the Victorian Curriculum and Assessment Authority
Level 7, 2 Lonsdale Street
Melbourne VIC 3000

ISBN: 978-1-925867-71-8

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Introduction

VCE VET programs are vocational training programs approved by the Victorian Curriculum and Assessment Authority (VCAA). VCE VET programs lead to nationally recognised qualifications, thereby offering students the opportunity to gain both the VCE and a nationally portable vocational education and training (VET) certificate. VCE VET programs:

* are fully recognised within the Units 1 to 4 structure of the Victorian Certificate of Education (VCE) and therefore may contribute towards satisfactory completion of the VCE. VCE VET units have equal status with other VCE studies
* may contribute to the satisfactory completion of the Victorian Certificate of Applied Learning (VCAL)
* function within the National Training Framework.

Program development

This iteration of the VCE VET Information, Digital Media and Technology program was implemented in 2015. It must be used in conjunction with the ICT Information and Communications Technology Training Package (Release 7.0) qualifications ICT20115 Certificate II in Information, Digital Media and Technology (Release 2) and ICT30118 Certificate III in Information, Digital Media and Technology (Release 2). This program replaces the VCE VET Information, Digital Media and Technology program published in January 2020 and all subsequent program summaries. This revision to the VCE VET Information, Digital Media and Technology program is a consequence of the revision to the ICT Information and Communications Technology Training Package.

The VCE VET Information, Digital Media and Technology program provides students with the knowledge and skills to enhance their employment prospects in the information and communications technology or related industries.

Program information

This program booklet must be read in conjunction with the *VCE VET Program Guide* and the nationally endorsed ICT Information and Communications Technology Training Package.

Industry overview

Training package

The Information and Communications Technology (ICT) Training Package is critical to Australia’s vocational education and training system. It equips learners with future-ready ICT skills and knowledge to prepare them for a successful ICT career. ICT covers all areas related to processing, manipulating, and managing information. Emerging technologies include artificial intelligence (AI), virtual reality (VR), augmented reality (AR) and the Internet of Things (IoT). Cyber security has become a top threat for business growth across the economy.

Qualifications / packaging rules

ICT20115 Certificate II in Information, Digital Media and Technology (Release 2)

Students must achieve fourteen units of competency to gain ICT20115 Certificate II in Information, Digital Media and Technology, including:

* seven core units of competency
* seven elective units of competency.

For further information, visit <[training.gov.au/Training/Details/ICT20115](https://training.gov.au/Training/Details/ICT20115)>.

ICT30118 Certificate III in Information, Digital Media and Technology (Release 2)

Students must achieve seventeen units of competency to gain ICT30118 Certificate III in Information, Digital Media and Technology, including:

* six core units of competency
* eleven elective units of competency.

For further information, visit <[training.gov.au/Training/Details/ICT30118](https://training.gov.au/Training/Details/ICT30118)>.

VCE VET Program details

Aims

The VCE VET Information, Digital Media and Technology program aims to:

* provide participants with the knowledge, skills, and competency that will enhance their training and employment prospects in the information and communications technology or related industries
* enable participants to gain a recognised credential and to make an informed choice of vocation or career path.

Program structure

The VCE VET Information, Digital Media and Technology program comprises one certificate II and one certificate III with VCE VET credit at Units 1 to 4 level. The VCE VET Information, Digital Media and Technology program is typically completed over two years.

The identified units of competency in the VCE VET Information, Digital Media and Technology program have been selected for recognition purposes and may vary from the qualification packaging rules.

The VCE VET Information, Digital Media and Technology program comprises three distinct structures: a certificate II course, a 2 year certificate III structure providing only partial completion of the qualification, and a 3 year certificate III structure that allows for completion of the qualification and focus on various ‘specialisations’.

Scored assessment

Scored assessment is available for the VCE VET Information, Digital Media and Technology program. To gain a study score a student must: be competent in the prescribed training; complete all scored VCE VET assessments; complete an end of year examination.

VCE VET Credit

Structure 1: ICT20115 Certificate II in Information, Digital Media and Technology (Release 2)

Students undertaking the VCE VET Information, Digital Media and Technology program structure 1 are eligible for up to six VCE VET units on their VCE or VCAL statement of results:

* six VCE VET Units at Units 1 and 2 level.

VCE VET credit will accrue in the following order: Units 1, 2, 1, 2, 1 and 2. These units of credit may be accumulated over more than one year.

Structure 2: ICT30118 Certificate III in Information, Digital Media and Technology (Release 2) (partial completion) (2 years)

Students undertaking the VCE VET Information, Digital Media and Technology program structure 2 are eligible for up to four VCE VET units on their VCE or VCAL statement of results:

* two VCE VET Units at Units 1 and 2 level
* a VCE VET Units 3 and 4 sequence.

VCE VET credit will accrue in the following order: Units 1, 2, 3 and 4. These units of credit may be accumulated over more than one year.

Structure 3: ICT30118 Certificate III in Information, Digital Media and Technology (Release 2) (certificate completion) (3 years)

Students undertaking the VCE VET Information, Digital Media and Technology program structure 3 are eligible for up to six VCE VET units on their VCE or VCAL statement of results:

* two VCE VET Units at Units 1 and 2 level
* two VCE VET Units 3 and 4 sequences.

VCE VET credit will accrue in the following order: Units 1, 2, 3, 4, 3 and 4. These units of credit may be accumulated over more than one year.

Nominal hour duration

Nominal hours represent the supervised structured learning and assessment activities required to sufficiently address the content of each unit of competency.

Nominal hours are used to determine credit into the VCE or VCAL for VET units of competency.

Duplication

When a VCE VET program significantly duplicates other VCE studies or VET training in a student’s program, a reduced VCE VET unit entitlement may apply. Credit towards the VCAL may also be reduced due to duplication.

No significant duplication has been identified between the VCE VET Information, Digital Media and Technology program and other VCE studies.

Dual Enrolments

Where students undertake multiple qualifications within the VCE VET Information, Digital Media and Technology program, care must be taken to ensure students enroll in all the units of competency only once. Credit for a unit of competency can only be counted once towards the VCE or VCAL.

Sequence

Certain units of competency will complement each other, lending to coordinated delivery that minimises content overlap. Units of competency have guidelines on the different situations and delivery contexts, and a range of delivery sequences are possible.

The intention of VCE VET programs is to provide students with a qualification that meets industry expectations. The strong advice and assumption of industry bodies is that the quality of the qualification is compromised when foundation training is neglected.

The sequencing of units of competency is determined by the registered training organisation, teacher or trainer; however, it is anticipated that a number of the core units of competency will be undertaken in the first year of the program.

Schools are advised that the Units 3 and 4 sequences are not designed as stand-alone studies.

The VCE VET Units 3 and 4 sequence must be assessed in the same enrolment year to access a study score where available. Students may undertake both the scored VCE VET Units 3 and 4 sequence and where available, additional units of competency from the elective bank in order to achieve an additional non-scored VCE VET Units 3 and 4 sequence.

The following considerations should be used in determining the sequence of a student’s VCE VET Information, Digital Media and Technology program:

* Students are permitted to do a non-scored Units 3 and 4 sequence without doing the scored version however the compulsory units from the scored Units 3 and 4 sequence (see page 8) **cannot be used** in a non-scored Units 3 and 4 sequence.

VCE VET Information, Digital Media and Technology program structure

Structure 1: ICT20115 Certificate II in Information, Digital Media and Technology (Release 2)

|  |  |  |
| --- | --- | --- |
| Code | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| **Compulsory units:** |
| BSBWHS201\* | Contribute to health and safety of self and others  | 20 |
| BSBSUS201 | Participate in environmentally sustainable work practices | 20 |
| ICTICT201\* | Use computer operating systems and hardware | 60 |
| ICTICT202 | Work and communicate effectively in an ICT environment | 40 |
| ICTICT203\* | Operate application software packages | 60 |
| ICTICT204 | Operate a digital media technology package | 40 |
| ICTWEB201 | Use social media tools for collaboration and engagement | 20 |
| **Subtotal:** | **260** |
| **Elective units:** Select a minimum of **seven** electives with a minimum of **95 hours**. A maximum of three FSK units can be included in the selection. |
| **Elective Group:** |
| CUACAM201 | Assist with a basic camera shoot | 30 |
| CUADIG201 | Maintain interactive content | 30 |
| CUADIG303 | Produce and prepare photo images | 20 |
| CUAPOS201 | Perform basic vision and sound editing | 40 |
| CUASOU202 | Perform basic sound editing | 30 |
| FSKLRG009 | Use strategies to respond to routine workplace problems | 15 |
| FSKNUM014 | Calculate with whole numbers and familiar fractions, decimals and percentages for work | 15 |
| FSKRDG010 | Read and respond to routine workplace information | 15 |
| FSKWTG009 | Write routine workplace texts | 15 |
| ICPDMT321 | Capture a digital image | 40 |
| ICTICT205 | Design basic organisational documents using computing packages | 40 |
| ICTICT206 | Install software applications | 20 |
| ICTICT207 | Integrate commercial computing packages | 60 |
| ICTICT208 | Operate accounting applications | 40 |
| ICTICT209 | Interact with ICT clients | 20 |
| ICTICT210\* | Operate database applications | 40 |
| ICTICT211 | Identify and use basic current industry-specific technologies | 40 |
| ICTICT212 | Incorporate indigenous needs and perspectives into ICT environment | 20 |
| ICTSAS201 | Maintain inventories for equipment, software and documentation | 10 |
| ICTSAS202 | Apply problem solving techniques to routine ICT malfunctions | 20 |
| ICTSAS203 | Connect hardware peripherals | 20 |
| ICTSAS204 | Record client support requirements | 10 |
| ICTSAS205 | Maintain ICT system integrity | 20 |
| ICTSAS206 | Detect and protect from spam and destructive software | 10 |
| ICTSAS207 | Protect and secure information assets | 20 |
| ICTSAS208 | Maintain ICT equipment and consumables | 20 |
| ICTSAS209 | Connect and use a home-based local wireless network | 30 |
| **Minimum for four VCE VET Units at Units 1 and 2 level:** | **355** |

Notes – Training Package Skill Set

\* ICTSS00044 Computer and Applications Fundamentals

Structure 2: ICT30118 Certificate III in Information, Digital Media and Technology (Release 2) (partial completion) (2 years)

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Specialist Group | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| **Compulsory units:** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes  | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment  | 40 |
| ICTSAS308#  |  | Run standard diagnostic tests  | 40 |
|  | **Subtotal:** | **110** |
| **Elective units:** Choose a minimum of **70 nominal hours** from the following electives: |
| ICTICT203  | A1 | Operate application software packages  | 60 |
| ICTNWK305 | B4 | Install and manage network protocols | 40 |
| ICTSAS303 | C2 | Care for computer hardware | 20 |
| ICTSAS304 | C3 | Provide basic system administration | 20 |
| ICTWEB201 | D2 | Use social media tools for collaboration and engagement | 20 |
| ICTWEB303 | D4 | Produce digital images for the web | 30 |
| ICTGAM301 | E3 | Apply simple modelling techniques | 50 |
| **Minimum Subtotal:** | **70** |
| **Total:** | **180** |
| **Units 3 and 4 (Scored assessment available)** |
| **Compulsory:** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| **Subtotal:** | **150** |
| **Elective units:**  |
| Choose a **minimum of 40** hours from the Scored Units 3 and 4 elective bank below: |
| **Scored Units 3 and 4 Elective Bank** |
| BSBEBU401 | D1 | Review and maintain a website | 50 |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| CUAANM301 | E1 | Create 2D digital animations | 35 |
| CUAANM302 | E2 | Create 3D digital animations | 75 |
| ICPDMT346 |  | Incorporate video into multimedia presentations  | 40 |
| ICTGAM302 | E4 | Design and apply simple textures to digital art | 50 |
| ICTGAM303 | E5 | Review and apply the principles of animation  | 60 |
| ICTICT303# | C1 | Connect internal hardware components | 20 |
| ICTICT304 | A2 | Implement system software changes | 40 |
| ICTICT305 |  | Identify and use current industry-specific technologies | 60 |
| ICTICT306 |  | Migrate to new technology | 20 |
| ICTICT307 | A3 | Customise packaged software applications for clients | 80 |
| ICTICT308 | A4 | Use advanced features of computer applications | 40 |
| ICTICT409 | A5 | Develop macros and templates for clients using standard products | 60 |
| ICTNWK301 | B1 | Provide network systems administration | 60 |
| ICTNWK302 | B2 | Determine and action network problems | 50 |
| ICTNWK303 |  | Configure and administer a network operating system | 70 |
| ICTNWK304 | B3 | Administer network peripherals | 20 |
| ICTNWK305 | B4 | Install and manage network protocols | 40 |
| ICTNWK306 |  | Evaluate characteristics of cloud computing solutions and services | 40 |
| ICTNWK419 |  | Identify and use current virtualisation technologies | 40 |
| ICTPRG301 |  | Apply introductory programming techniques | 40 |
| ICTWEB302 | D3 | Build simple websites using commercial programs | 40 |
| ICTWEB452 |  | Create a markup language document  | 20 |
| **Minimum total:** | **190** |
| **Total:** | **370** |

Notes – Training Package Skill Set

# ICTSS00048 Hardware Technician

Structure 3: ICT30118 Certificate III in Information, Digital Media and Technology (Release 2) (certificate completion) (3 years)

This structure is based on the completion of Structure 2 plus units from the Non-Scored Units 3 and 4 elective bank.

In order to be awarded the Certificate III in Information, Digital Media and Technology; students need to complete 17 units comprised of 6 core units plus 11 electives including all units from one specialist elective group. See [Appendix B](#AppendixB) for the specialist elective groups.

Students are required to undertake at least 190 hours of training for the Scored Units 3 and 4 sequence and at least a further 180 hours of training in order to qualify for an additional Non-Scored Units 3 and 4 sequence.

These additional units may be selected from the following elective bank.

Non-Scored Units 3 and 4 Elective Bank

(N.B. On VASS, units in the Non-Scored stream that are also available in the Units 1-2 and/or the scored 3-4 stream have “-1” added to the end of the code).

| Code | Specialist Group | Unit of competency | Nominal hours |
| --- | --- | --- | --- |
| BSBEBU401 | D1 | Review and maintain a website | 50 |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| CUAANM301 | E1 | Create 2D digital animations | 35 |
| CUAANM302 | E2 | Create 3D digital animations | 75 |
| CUAANM402 |  | Create digital visual effects | 70 |
| CUAPPM407 |  | Create storyboards | 40 |
| ICPDMT346 |  | Incorporate video into multimedia presentations  | 40 |
| ICPPTD302 |  | Set up and produce 3D prints | 80 |
| ICTDMT402 |  | Produce interactive animation | 60 |
| ICTDMT403 |  | Produce and edit digital images | 40 |
| ICTGAM301 | E3 | Apply simple modelling techniques | 50 |
| ICTGAM302 | E4 | Design and apply simple textures to digital art | 50 |
| ICTGAM303 | E5 | Review and apply the principles of animation  | 60 |
| ICTGAM402 |  | Identify and apply principles of games design and game playing  | 40 |
| ICTGAM403 |  | Create design documents for interactive games  | 30 |
| ICTGAM406 |  | Create visual design components for interactive games  | 40 |
| ICTGAM409 |  | Create 3-D characters for interactive games | 40 |
| ICTGAM410 |  | Develop 3-D components for interactive games | 50 |
| ICTGAM412 |  | Design interactive media | 40 |
| ICTGAM414 |  | Create audio for digital games | 40 |
| ICTGAM416 |  | Prepare and complete image rendering processes | 60 |
| ICTGAM417 |  | Apply digital effects to interactive products | 50 |
| ICTICT203 | A1 | Operate application software packages | 60 |
| ICTICT303 | C1 | Connect internal hardware components | 20 |
| ICTICT304 | A2 | Implement system software changes | 40 |
| ICTICT305 |  | Identify and use current industry-specific technologies | 60 |
| ICTICT306 |  | Migrate to new technology | 20 |
| ICTICT307 | A3 | Customise packaged software applications for clients | 80 |
| ICTICT308 | A4 | Use advanced features of computer applications | 40 |
| ICTICT406 |  | Build a graphical user interface | 20 |
| ICTICT409 | A5 | Develop macros and templates for clients using standard products | 60 |
| ICTICT420 |  | Develop client user interface | 40 |
| ICTNWK301 | B1 | Provide network systems administration | 60 |
| ICTNWK302 | B2 | Determine and action network problems | 50 |
| ICTNWK303 |  | Configure and administer a network operating system | 70 |
| ICTNWK304 | B3 | Administer network peripherals | 20 |
| ICTNWK305 | B4 | Install and manage network protocols | 40 |
| ICTNWK306 |  | Evaluate characteristics of cloud computing solutions and services | 40 |
| ICTNWK419 |  | Identify and use current virtualisation technologies | 40 |
| ICTPRG301 |  | Apply introductory programming techniques | 40 |
| ICTPRG401 |  | Maintain open-source code programs | 20 |
| ICTPRG407 |  | Write script for software applications | 40 |
| ICTSAS303 | C2 | Care for computer hardware | 20 |
| ICTSAS304 | C3 | Provide basic system administration | 20 |
| ICTWEB201 | D2 | Use social media tools for collaboration and engagement | 20 |
| ICTWEB302 | D3 | Build simple websites using commercial programs | 40 |
| ICTWEB303 | D4 | Produce digital images for the web | 30 |
| ICTWEB452 |  | Create a markup language document | 20 |
| VU21993 |  | Secure a networked PC | 60 |
| VU21994 |  | Perform basic cyber security data analysis | 20 |

Study Score

A study score is available for the VCE VET Information, Digital Media and Technology program.

VCE VET Information, Digital Media and Technology offers a scored program option. To be eligible for a study score students must:

* satisfactorily complete all the units of competency required in the Scored Units 3 and 4 sequence
* be assessed in accordance with the tools and procedures specified in the *VCE VET Assessment Guide* and program specific assessment plan templates published annually on the VCAA website
* undertake an examination in the end-of-year examination period, based on the underpinning knowledge and skills in the compulsory units of competency in the Scored Units 3 and 4 sequence, and in accordance with the current examination specifications.

The Scored Units 3 and 4 sequence of the VCE VET Information, Digital Media and Technology program must be delivered and assessed in a single enrolment year.

The study score for the VCE VET Information, Digital Media and Technology program is based on evidence from two sources: coursework tasks and an examination. The assessment of three VCE VET coursework tasks does not replace the qualification assessments. Both tend to be complementary and may be integrated. Tasks may be designed with both assessment purposes in mind.

For further information on scored assessment refer to the *VCE VET Assessment Guide*, which contains information relating to study scores for VCE VET programs. It includes an overview of study score assessment, advice regarding the development of coursework tasks, and integration of study scores with competency assessment.

The assessment guide also contains generic templates, scoring criteria and other coursework assessment records:
<[www.vcaa.vic.edu.au/assessment/vet-assessment/Pages/VCEVETProgramsScoredAssessment.aspx](https://www.vcaa.vic.edu.au/assessment/vet-assessment/Pages/VCEVETProgramsScoredAssessment.aspx)>.

Advice relating to the VCE VET Information, Digital Media and Technology program is published on the VCAA website and updated annually: <[www.vcaa.vic.edu.au/curriculum/vet/vce-vet-programs/Pages/idmt.aspx](https://www.vcaa.vic.edu.au/curriculum/vet/vce-vet-programs/Pages/idmt.aspx)>.

ATAR Contribution

Students wishing to receive an ATAR contribution for the VCE VET Information, Digital Media and Technology program Units 3 and 4 sequence must undertake scored assessment for the purpose of achieving a study score. This study score can contribute directly to the ATAR, either as one of the student's best four studies (the primary four) or as a fifth or sixth study increment. Where a student elects not to receive a study score no contribution to the ATAR will be available. Where an additional Non-Scored VCE VET Units 3 and 4 sequence is undertaken students may be eligible for a fifth or sixth study increment.

The increment is awarded by the Victorian Tertiary Admissions Centre (VTAC). Further information can be found on the VTAC website:

* the ATAR explained: <[www.vtac.edu.au/results-offers/atar-explained/](https://www.vtac.edu.au/results-offers/atar-explained/)>
* calculating your aggregate: <[www.vtac.edu.au/atar-scaling-guide-2022.html#item-3](https://www.vtac.edu.au/atar-scaling-guide-2022.html#item-3)>
* study groupings: <[www.vtac.edu.au/atar-scaling-guide-2022.html#item-4](https://www.vtac.edu.au/atar-scaling-guide-2022.html#item-4)>.

Where a VCE VET Program Scored Units 3 and 4 sequence is used as an increment, the increment will be calculated using 10% of the scaled score.

Increments for a VCE VET Program Non-Scored Units 3 and 4 sequence will be calculated using 10% of the fourth study score of the primary four.

Structured workplace learning

The VCAA has determined that Structured Workplace Learning (SWL) is an appropriate and valuable component of all VCE VET programs. SWL involves on-the-job training in which students are required to master a designated set of skills and competencies related to VCE VET programs.

SWL complements the training undertaken at the school/RTO. It provides the context for:

* enhancement of skills development
* practical application of industry knowledge
* assessment of units of competency, as determined by the RTO
* increased employment opportunities.

The VCAA strongly recommends that students undertake a minimum of 80 hours of SWL for the VCE VET Information, Digital Media and Technology program. SWL should be spread across the duration of the training program.

The VCAA mandates SWL under the following situations:

* where a period of work placement is mandated for the award of the qualification, or
* where the Assessment Conditions from a Unit of Competency contains a statement regarding the requirement to demonstrate skills in a workplace.

Check the unit of competency for information on Assessment Conditions: <[training.gov.au/Home/Tga](https://training.gov.au/Home/Tga)>.

Further details regarding SWL, the SWL Portal and the Department of Education and Training SWL Manual is available on online: [<www.education.vic.gov.au/school/teachers/teachingresources/careers/work/Pages/structuredlearning.aspx](http://www.education.vic.gov.au/school/teachers/teachingresources/careers/work/Pages/structuredlearning.aspx)>.

The SWL Manual outlines roles and responsibilities of the student, parent, employer and principal; procedures and guidelines for placing students in the workplace; and relevant policy and legislation. The manual also has a link to Ministerial Order 55 and the SWL Arrangement form.

SWL Recognition

Structured Workplace Learning (SWL) recognition involves the development and maintenance of the Workplace Learning Record (WLR) by the student. The work placement must be in an industry area aligned to the VET certificate drawn from the VCE VET Information, Digital Media and Technology program. The completion of the WLR is a requirement for recognition by the VCAA for VCE and VCAL credit.

The VCE VET Information, Digital Media and Technology program offers SWL recognition. Further details are available at: <[www.vcaa.vic.edu.au/curriculum/vet/swl-vet/Pages/SWL-recognition.aspx](https://www.vcaa.vic.edu.au/curriculum/vet/swl-vet/Pages/SWL-recognition.aspx)>.

Work health and safety

Schools/RTOs must ensure that Work Health and Safety (WHS) issues are fully addressed in the training program.

The principal is responsible for ensuring the school meets its responsibilities for students in SWL arrangements.

Where the student will be employed under an SWL arrangement, the principal must be satisfied that the student is undertaking training in the WHS unit of competency before the arrangement can be entered into.

Students must be informed of the significance of work-related hazards. They must understand the need for, and the nature of, workplace risk controls such as safe working procedures and the use of personal protective clothing and equipment.

Schools must also be satisfied, through their review of the acknowledgment provided by employers on the SWL Arrangement form, that the workplace in question and the activities proposed will not expose a student to risk during their structured work placement.

Employers must view their duty of care towards students as essentially no different from that owed to their employees. They must understand that students cannot be expected to possess the judgment or maturity to undertake any task that presents potential risk. This means that no student may be exposed at any time to dangerous plant machinery, equipment, substances, work environments or work practices.

On the first morning of their placement, students should be introduced to their supervisor and provided with a formal induction to the workplace. This will include first aid, emergency and incident reporting arrangements.

The student should be given an orientation tour of the workplace and any excluded areas or activities should be pointed out. Students should be instructed to report without delay anything they feel may be unsafe. They should be encouraged to ask for help or further instruction if they are not sure of the correct way to carry out any task.

Close supervision of students undertaking SWL is essential. Supervisors nominated by the employer must understand all requirements for safely managing the student’s activities. Supervisors must understand that a student may not fully grasp information or instructions the first time they are told. They should encourage students to ask for help if they have forgotten or if they experience difficulty in putting information into practice.

The WorkSafe Victoria website makes available useful resources: <[www.worksafe.vic.gov.au](https://www.worksafe.vic.gov.au/)>.

Additional information

For updates or information relating to this program refer to:

* the VCE VET Information, Digital Media and Technology program web page: <[www.vcaa.vic.edu.au/curriculum/vet/vce-vet-programs/Pages/idmt.aspx](https://www.vcaa.vic.edu.au/curriculum/vet/vce-vet-programs/Pages/idmt.aspx)>
* the *VCAA* *Bulletin*: <[www.vcaa.vic.edu.au/news-and-events/bulletins-and-updates/bulletin/Pages/index.aspx](https://www.vcaa.vic.edu.au/news-and-events/bulletins-and-updates/bulletin/Pages/index.aspx)>
* the Get VET web page for videos, success stories, flowcharts and posters designed to support teachers in engaging, informing and inspiring students and parents about VET Delivered to Secondary Students: <[www.vcaa.vic.edu.au/getvet](https://www.vcaa.vic.edu.au/getvet)>.

Pathways

Students who undertake the VCE VET Information, Digital Media and Technology program may be eligible to continue with further study at a tertiary level in Certificate IV, Diploma, Advanced Diploma or degree level qualifications in areas such as:

* Telecommunications
* Information and Communication Technology (ICT) and
* Computer Systems Technology.

Students may be eligible to continue into employment or an apprenticeship or traineeship in an ICT or related industry.

Appendix A – Sample Programs

[Appendix A](#AppendixA) contains 6 sample structures that satisfy the requirements for award of the Certificate III in Information, Digital Media and Technology; and provide a Units 3 and 4 sequence where scored assessment is available and an additional Non-Scored Units 3 and 4 sequence.

* [Sample 1](#Sample1) – Information and Communications Technology (ICT) Focus.
* [Sample 2](#Sample2) – Games Creation (Multimedia) Focus.
* [Sample 3](#Sample3) – Programming Focus.
* [Sample 4](#Sample4) – User Experience/User Interface (UX/UI) Design Focus.
* [Sample 5](#Sample5) – 3D Printing Focus.
* [Sample 6](#Sample6) – Cyber Security Focus.

Sample 1: Information and Communications Technology Focus

**Year 1 ICT Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes  | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment  | 40 |
| ICTSAS308#  |  | Run standard diagnostic tests  | 40 |
| ICTNWK305 | B4 | Install and manage network protocols | 40 |
| ICTSAS303 | C2 | Care for computer hardware | 20 |
| ICTSAS304 | C3 | Provide basic system administration | 20 |
| **Total:** | **190** |

**Year 2 ICT Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 3 and 4 (Scored assessment available)** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| **Total:** | **190** |

**Year 3 ICT Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Non-scored Units 3 and 4** |
| ICTICT303# | C1 | Connect internal hardware components | 20 |
| ICTNWK301  | B1 | Provide network systems administration | 60 |
| ICTNWK302 | B2 | Determine and action network problems  | 50 |
| ICTNWK304  | B3 | Administer network peripherals | 20 |
| ICTNWK306 |  | Evaluate characteristics of cloud computing solutions and services | 40 |
| **Total:** | **190** |

Notes – Training Package Skill Set

# ICTSS00048 Hardware Technician

Sample 2: Games Creation (Multimedia) Focus

**Year 1 Games Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes  | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment  | 40 |
| ICTSAS308#  |  | Run standard diagnostic tests  | 40 |
| ICTWEB201 | D2 | Use social media tools for collaboration and engagement | 20 |
| ICTWEB303 | D4 | Produce digital images for the web | 30 |
| ICTGAM301 | E3 | Apply simple modelling techniques | 50 |
| **Total:** | **210** |

**Year 2 Games Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 3 and 4 (Scored assessment available)** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| ICTGAM302 | E4 | Design and apply simple textures to digital art | 50 |
| **Total:** | **200** |

**Year 3 Games Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Non-scored Units 3 and 4** |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| CUAANM301 | E1 | Create 2D digital animations | 35 |
| CUAANM302 | E2 | Create 3D digital animations | 75 |
| ICTGAM303 | E5 | Review and apply the principles of animation | 60 |
| ICTICT406 |  | Build a graphical user interface | 20 |
| **Total:** | **230** |

Notes – Partial Training Package Skill Set

# ICTSS00048 Hardware Technician

Sample 3: Programming Focus

**Year 1 Programming Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment | 40 |
| ICTSAS308# |  | Run standard diagnostic tests | 40 |
| ICTICT203 | A1 | Operate application software packages | 60 |
| ICTPRG407 |  | Write script for software applications | 40 |
| **Total:** | **210** |

**Year 2 Programming Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 3 and 4 (Scored assessment available)** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| ICTPRG301 |  | Apply introductory programming techniques  | 40 |
| **Total:** | **190** |

**Year 3 Programming Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Non-scored Units 3 and 4** |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| ICTICT304 | A2 | Implement system software changes | 40 |
| ICTICT307 | A3 | Customise packaged software applications for clients | 80 |
| ICTICT308 | A4 | Use advanced features of computer applications | 40 |
| ICTICT409 | A5 | Develop macros and templates for clients using standard products | 60 |
| ICTPRG401  |  | Maintain open-source code programs | 20 |
| **Total:** | **280** |

Notes – Partial Training Package Skill Set

# ICTSS00048 Hardware Technician

Sample 4: User Experience/User Interface (UX/UI) Design Focus

**Year 1 UX/UI Design Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment | 40 |
| ICTSAS308# |  | Run standard diagnostic tests | 40 |
| ICTICT203 | A1 | Operate application software packages | 60 |
| ICTWEB201 | D2 | Use social media tools for collaboration and engagement | 20 |
| ICTWEB303 | D4 | Produce digital images for the web | 30 |
| **Total:** | **220** |

**Year 2 UX/UI Design Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 3 and 4 (Scored assessment available)** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| ICTWEB302 | D3 | Build simple websites using commercial programs | 40 |
| **Total:** | **190** |

**Year 3 UX/UI Design Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Non-scored Units 3 and 4** |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| BSBEBU401 | D1 | Review and maintain a website  | 50 |
| ICPDMT346 |  | Incorporate video into multimedia presentations  | 40 |
| ICTICT420 |  | Develop client user interface | 40 |
| ICTWEB452 |  | Create a markup language document | 20 |
| **Total:** | **190** |

Notes – Partial Training Package Skill Set

# ICTSS00048 Hardware Technician

Sample 5: 3D Printing Focus

**Year 1 3D Printing Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment | 40 |
| ICTSAS308# |  | Run standard diagnostic tests | 40 |
| ICTICT203 | A1 | Operate application software packages | 60 |
| ICTSAS303 | C2 | Care for computer hardware | 20 |
| ICTSAS304 | C3 | Provide basic system administration | 20 |
| **Total:** | **210** |

**Year 2 3D Printing Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Scored Units 3 and 4** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| **Total:** | **190** |

**Year 3 3D Printing Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Non-scored Units 3 and 4** |
| ICTICT303# | C1 | Connect internal hardware components  | 20 |
| ICPPTD302 |  | Set up and produce 3D prints | 80 |
| ICTICT305 |  | Identify and use current industry-specific technologies  | 60 |
| ICTICT306  |  | Migrate to new technology  | 20 |
| ICTICT308 | A4 | Use advanced features of computer applications | 40 |
| **Total:** | **220** |

Notes – Training Package Skill Set

# ICTSS00048 Hardware Technician

Sample 6: Cyber Security Focus

**Year 1 Cyber Security Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Units 1 and 2** |
| BSBWHS304 |  | Participate effectively in WHS communication and consultation processes | 30 |
| ICTICT202 |  | Work and communicate effectively in an ICT environment | 40 |
| ICTSAS308# |  | Run standard diagnostic tests | 40 |
| ICTNWK302 | B2 | Determine and action network problems | 50 |
| ICTNWK305 | B4 | Install and manage network protocols | 40 |
| **Total:** | **200** |

**Year 2 Cyber Security Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Scored Units 3 and 4** |
| ICTICT301 |  | Create user documentation | 20 |
| ICTICT302# |  | Install and optimise operating system software | 20 |
| ICTSAS305# | C4 | Provide ICT advice to clients | 40 |
| ICTSAS306# | C5 | Maintain equipment and software | 20 |
| ICTSAS307# | B5 | Install, configure and secure a small office or home office network | 50 |
| BSBSUS401 |  | Implement and monitor environmentally sustainable work practices | 40 |
| **Total:** | **190** |

**Year 3 Cyber Security Focus**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | SpecialistGroup | Unit Title | Nominal Hours |
| **Unscored Units 3 and 4** |
| ICTNWK301 | B1 | Provide network systems administration | 60 |
| ICTNWK304 | B3 | Administer network peripherals | 20 |
| ICTICT304 | A2 | Implement system software changes | 40 |
| ICTICT303# | C1 | Connect internal hardware components | 20 |
| VU21993 |  | Secure a networked PC | 60 |
| VU21994 |  | Perform basic cyber security data analysis | 20 |
| **Total:** | **220** |

Notes – Training Package Skill Set

# ICTSS00048 Hardware Technician

Appendix B – Specialist elective units

(It is a requirement of the Certificate that you complete all units in at least one of these groups)

|  |  |
| --- | --- |
| **Group A Applications** | **Nominal Hours** |
| 1 | ICTICT203 Operate application software packages | 60 |
| 2 | ICTICT304 Implement system software changes | 40 |
| 3 | ICTICT307 Customise packaged software applications for clients | 80 |
| 4 | ICTICT308 Use advanced features of computer applications | 40 |
| 5 | ICTICT409 Develop macros and templates for clients using standard products | 60 |
| **Group B Network administration** |
| 1 | ICTNWK301 Provide network systems administration | 60 |
| 2 | ICTNWK302 Determine and action network problems | 50 |
| 3 | ICTNWK304 Administer network peripherals | 20 |
| 4 | ICTNWK305 Install and manage network protocols | 40 |
| 5 | ICTSAS307 Install, configure and secure a small office or home office network | 50 |
| **Group C Support** |
| 1 | ICTICT303 Connect internal hardware components | 20 |
| 2 | ICTSAS303 Care for computer hardware | 20 |
| 3 | ICTSAS304 Provide basic system administration | 20 |
| 4 | ICTSAS305 Provide ICT advice to clients | 40 |
| 5 | ICTSAS306 Maintain equipment and software | 20 |
| **Group D Web technologies** |
| 1 | BSBEBU401 Review and maintain a website | 50 |
| 2 | ICTWEB201 Use social media tools for collaboration and engagement | 20 |
| 3 | ICTWEB302 Build simple websites using commercial programs | 40 |
| 4 | ICTWEB303 Produce digital images for the web | 30 |
| **Group E Multimedia** |
| 1 | CUAANM301 Create 2D digital animations | 35 |
| 2 | CUAANM302 Create 3D digital animations | 75 |
| 3 | ICTGAM301 Apply simple modelling techniques | 50 |
| 4 | ICTGAM302 Design and apply simple textures to digital art | 50 |
| 5 | ICTGAM303 Review and apply the principles of animation | 60 |