



Australian Government

Department of Education, Employment and Workplace Relations

ICA40811 Certificate IV in Digital Media Technologies

Release: 1

ICA40811 Certificate IV in Digital Media Technologies

Modification History

Release	Comments
Release 1	This Qualification first released with <i>ICAll Information and Communications Technology Training Package version 1.0</i>

Description

This qualification provides the skills and knowledge for an individual to be competent to design, develop and use digital media technologies as an assistant information and communications technology (ICT) specialist working independently or as part of a larger development team.

Job roles

Possible job titles relevant to this qualification include:

- assistant animator
- assistant designer
- assistant digital media author
- assistant digital media designer
- assistant digital media developer
- assistant digital media programmer
- assistant web designer
- interaction media developer
- support digital media developer
- support digital media development technician.

Pathways Information

Pathways into the qualification

Preferred pathways for candidates considering this qualification include:

- after achieving ICA30111 Certificate III in Information, Digital Media and Technology, or other relevant qualifications or units equivalent to the core of ICA30111

OR

- with demonstrated vocational experience in a range of digital media work environments in digital media development, administration or management.

Pathways from the qualification

ICA50911 Diploma of Digital Media Technologies, or a range of other Diploma qualifications.

Licensing/Regulatory Information

There is no link between this qualification and licensing, legislative or regulatory requirements. However users should confirm requirements with the relevant federal, state or territory authority. There may be some alignment with industry standard certification competencies.

Entry Requirements

There are no entry requirements for this qualification.

Employability Skills Summary

The following table contains a summary of the employability skills required by industry for this qualification. The employability skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability skill	Industry/enterprise requirements for this qualification
Communication	<ul style="list-style-type: none">• using plain English communication and literacy skills in relation to analysis, evaluation and presentation of information• documenting work and producing technical reports
Teamwork	<ul style="list-style-type: none">• consulting with work team to review proposed changes against current and future business requirements• working collaboratively with team members in an IT environment
Problem-solving	<ul style="list-style-type: none">• analysing digital media technology and software requirements• diagnosing application and software problems and identifying solutions
Initiative and enterprise	<ul style="list-style-type: none">• transferring and applying theoretical concepts and/or technical or creative skills to a range of digital media situations
Planning and organising	<ul style="list-style-type: none">• planning and developing a digital media design that meets project specific actions
Self-management	<ul style="list-style-type: none">• taking responsibility for own output in relation to specified quality standards• applying environmentally sustainable work practices• meeting copyright, ethical and privacy standards in the areas of security, legal, moral and ethical practice
Learning	<ul style="list-style-type: none">• maintaining knowledge of digital media tools and software applications• obtaining client evaluation and feedback• keeping up-to-date and maintaining own competence
Technology	<ul style="list-style-type: none">• selecting and using software and hardware diagnostic tools for digital media contexts and environments• using digital media tools to design and develop website, online, interactive tools and applications

Packaging Rules

Total number of units = 17

7 core units *plus*

10 elective units

The elective units consist of:

- 5 units from one of the following specialist groups:
 - Group A Web development
 - Group B Programming
 - Group C Interactive media
- of the remaining units:
 - up to 5 may be from the specialist elective groups below or from Group D general elective units below or elsewhere in ICA11
 - up to 3 may be from elsewhere in ICA11 or any other Training Package or accredited course at Certificate IV or Diploma level.

The elective units chosen must be relevant to the work outcome and meet local industry needs.

Core units

BSBCRT401A Articulate, present and debate ideas

BSBOHS302B Participate effectively in OHS communication and consultative processes

CUFDIG401A Author interactive media

ICAICT404A Use online learning tools

ICAICT418A Contribute to copyright, ethics and privacy in an IT environment

ICAICT419A Work effectively in the digital media industry

ICAPMG401A Support small scale IT projects

Specialist elective units

Group A Web development

ICAWEB301A Create a simple markup language document

ICAWEB402A Confirm accessibility of websites for people with special needs

ICAWEB406A Create website testing procedures

ICAWEB407A Conduct operational acceptance tests of websites

ICAWEB409A Develop cascading style sheets

ICAWEB411A Produce basic client-side script for dynamic web pages

ICAWEB412A Produce interactive web animation

ICAWEB414A Design simple web page layouts

ICAWEB415A Produce server-side script for dynamic web pages

ICAWEB421A Ensure website content meets technical protocols and standards

ICAWEB425A Apply structured query language to extract and manipulate data

Group B Programming

ICAPRG301A Apply introductory programming techniques

ICAPRG402A Apply query language

ICAPRG405A Automate processes
ICAPRG406A Apply introductory object-oriented language skills
ICAPRG407A Write script for software applications
ICAPRG412A Configure and maintain databases
ICAPRG414A Apply introductory programming skills in another language

Group C Interactive media

CUFANM301A Create 2D digital animations
CUFANM302A Create 3D digital animations
CUFANM402A Create digital visual effects
CUFCAM301A Shoot material for screen productions
CUFPOS401A Edit screen content for fast turnaround
CUFPOS402A Manage media assets
CUFPPM404A Create storyboards
CUFSOU204A Perform basic sound editing
CUFSOU301A Prepare audio assets
ICADMT401A Create visual design components for digital media
ICADMT402A Produce interactive animation
ICADMT403A Produce and edit digital images
ICAGAM401A Produce an interactive game
ICAGAM403A Create design documents for interactive games
ICAGAM405A Write story and content for digital games
ICAGAM413A Design and create 3-D digital models

General elective units**Group D**

ICAICT408A Create technical documentation
ICAICT417A Identify, evaluate and apply current industry-specific technologies to meet industry standards
BSBSUS301A Implement and monitor environmentally sustainable work practices
ICADBS412A Build a database