



Australian Government

Department of Education, Employment and Workplace Relations

ICA40311 Certificate IV in Web-Based Technologies

Release: 1

ICA40311 Certificate IV in Web-Based 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 an individual with the skills and knowledge to design, develop, build and administer websites using a range of website technologies.

Job roles

Possible job titles relevant to this include:

- web developer or technical writer
- webmaster assistant
- website coordinator
- website or web support administrator
- assistant web designer.

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 web-related work environments in website development, administration or management.

Pathways from the qualification

ICA50611 Diploma of Website Development, 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">consulting with end users and clients before, during and after development of websites to determine their issues and ensure that their needs are metinterpreting technical manualsdocumenting and presenting information in a variety of formats and media
Teamwork	<ul style="list-style-type: none">consulting with work team to review proposed changes against current and future business requirementsestablishing and improving work teams in an IT environment
Problem-solving	<ul style="list-style-type: none">determining criteria for writing script for web pages, for example, dynamic functionality and appropriate language
Initiative and enterprise	<ul style="list-style-type: none">developing new criteria and procedures for performing current practicesidentifying, analysing and evaluating information from a variety of sources
Planning and organising	<ul style="list-style-type: none">creating project plans to guide the development of systems methodologies
Self-management	<ul style="list-style-type: none">taking responsibility for own output in relation to specified quality standardsmeeting ethical standards in the areas of security, legal, moral and ethical practice
Learning	<ul style="list-style-type: none">gathering and organising feedback on draft documentation and client satisfactionmaintaining knowledge of tools and software applications and the goods and services provided
Technology	<ul style="list-style-type: none">selecting and using software and hardware tools in a variety of web, database, scripting and multimedia contexts

Packaging Rules

Total number of units = 22

8 core units *plus*

14 elective units

The elective units consist of:

- 5 from one of the following specialist groups:
 - Group A Administration
 - Group B Design and development
- of the remaining units:
 - up to 9 may be from the specialist elective groups below or from Group C general elective units below
 - up to 4 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

BSBOHS302B Participate effectively in OHS communication and consultative processes

ICAICT401A Determine and confirm client business requirements

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

ICAWEB401A Design a website to meet technical requirements

ICAWEB402A Confirm accessibility of websites for people with special needs

ICAWEB403A Transfer content to a website using commercial packages

ICAWEB424A Evaluate and select a web hosting service

ICAWEB429A Create a markup language document to specification

Elective units

Specialist elective units

Group A Administration

ICAWEB404A Maintain website performance

ICAWEB405A Monitor traffic and compile website traffic reports

ICAWEB406A Create website testing procedures

ICAWEB407A Conduct operational acceptance tests of websites

ICAWEB408A Ensure basic website security

Group B Design and development

ICADBS403A Create basic databases

ICAWEB409A Develop cascading style sheets

ICAWEB411A Produce basic client-side script for dynamic web pages

ICAWEB415A Produce server-side script for dynamic web pages

ICAWEB425A Apply structured query language to extract and manipulate data

General elective units

Group C

BSBCRT401A Articulate, present and debate ideas
BSBSUS301A Implement and monitor environmentally sustainable work practices
CUFPPM404A Create storyboards
ICAICT403A Apply software development methodologies
ICAICT407A Maintain website information standards
ICAICT408A Create technical documentation
ICAICT417A Identify, evaluate and apply current industry-specific technologies to meet industry standards
ICAICT420A Develop client user interface
ICANWK409A Create scripts for networking
ICAPMG401A Support small scale IT projects
ICAPRG405A Automate processes
ICAWEB410A Apply web authoring tool to convert client data for websites
ICAWEB412A Produce interactive web animation
ICAWEB413A Optimise search engines
ICAWEB414A Design simple web page layouts
ICAWEB416A Customise content management system
ICAWEB417A Integrate social web technologies
ICAWEB421A Ensure website content meets technical protocols and standards