Australian Government

Department of Education, Employment and Workplace Relations

ICP40310 Certificate IV in Printing and Graphic Arts (Printing)

Release: 2

ISC INDUSTRY SKILLS COUNCILS
Creating Australia's Future

ICP40310 Certificate IV in Printing and Graphic Arts (Printing)

Modification History

Release	Comments
Release 2	This version released with *ICP10 Printing and Graphic Arts Training Package version 2.0.* Imported elective units updated with the most current equivalent.
Release 1	This Qualification first released with *ICP10 Printing and Graphic Arts Training Package version 1.0.*

Description

This qualification applies to individuals working as a print machinist in the printing and graphic arts industry. They prepare material, set up, monitor and operate equipment and machinery, apply solutions to a defined range of problems associated with the print medium and analyse and evaluate information from a variety of sources. They may also provide leadership and guidance to others with some limited responsibility for the output of others.

Job Roles

- Print machinist (technician)

Pathways Information

Pathways into the qualification

Candidates may enter the qualification after they have completed all units of competency (core and electives) necessary for the award of ICP30512 Certificate III in Printing and Graphic Arts (Printing), or equivalent vocational competencies.

Pathways from the qualification

At the completion of this qualification candidates could choose to enter a:

- ICP50310 Diploma of Printing and Graphic Arts (Printing)
- ICP50410 Diploma of Printing and Graphic Arts (Management/Sales)
- ICP50510 Diploma of Printing and Graphic Arts (Process Improvement).

Licensing/Regulatory Information

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, where required, a unit of competency will specify relevant licensing, legislative and/or regulatory requirements that impact on the unit.

Units in Qualification with Prerequisites

Code and title	Prerequisite units required
ICPPP311C Develop a detailed design concept	ICPPP211C Develop a basic design concept
ICPPR387A Use colour management for production	ICPPR284A Introduction to colour management
ICPPP452C Output complex image direct to plate or press	ICPPP352C Output complex images
ICPPP485C Develop a digital data template	ICPPP385C Operate a database for digital printing
ICPPR494A Apply advanced software applications to digital production	ICPPR385A Apply software applications to digital production
ICPPR495A Set up and use complex colour management for production	ICPPR387A Use colour management for production

Entry Requirements

This qualification requires the completion of all units of competency (core and electives) necessary for the award of ICP30512 Certificate III in Printing and Graphic Arts (Printing), or equivalent vocational competencies.

Employability Skills Summary

The following table contains a summary of the Employability Skills required 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 include:
Communication	• reading and interpreting job requirements from the job documentation or production control system • interpreting job briefs and advising clients about options and limitations
Teamwork	• assisting in setting up major in-line printing/converting/binding units • working with team members to ensure efficient production
Problem solving	• conducting a proof run and adjusting machinery settings to ensure production speeds are attained • monitoring print quality electronically and visually and making adjustments
Initiative and enterprise	• contributing to decision making of the work group
Planning and organising	• organising quick change over procedures • planning the set up to minimise time and wastage
Self-management	• using courteous, effective, responsive and supportive communication in workplace interactions • using discretion and confidentiality when dealing with clients
Learning	• giving and following simple routine instructions
Technology	• setting up and monitoring production equipment • using monitoring equipment and computerised production records

Packaging Rules

Total number of units = 10 units
4 core units *plus*
6 elective units.

At least **1 elective unit** must be selected from Group A elective units and at least **1 elective unit** must be selected from Group B elective units. The remaining elective units may be selected from Group A, Group B or Group C elective units.

Up to **2 elective units** may be selected from the remaining elective units, the remaining stream units or from other qualifications, at the same qualification level or one level higher, in this Training Package or any other endorsed Training Package or accredited course.

Elective units must be relevant to the qualification level, job role, work outcome and industry requirements. Unit selection is by negotiation and mutual agreement between the employee, employer and the RTO and is based on enterprise and individual needs.

Core Units

ICPPR491C Use on-press monitoring of print quality
ICPPR492C Use on-press print control devices
ICPPR493C Set up and monitor in-line printing operations
ICPSU482C Troubleshoot and optimise materials and machinery

Group A Elective Units

ICPPR284A Introduction to colour management
ICPPR385A Apply software applications to digital production
ICPPR387A Use colour management for production
ICPPR413C Set up for complex flexographic printing
ICPPR421C Set up for complex gravure printing
ICPPR431C Set up for complex lithographic printing
ICPPR441C Set up for complex pad printing
ICPPR451C Set up for complex relief printing
ICPPR496A Set up and produce complex digital print

Group B Elective Units

ICPPR414C Produce specialist flexographic printed product
ICPPR513C Set up for specialist flexographic printing **OR**
ICPPR422C Produce specialist gravure printed product
ICPPR521C Set up for specialist gravure printing **OR**
ICPPR432C Produce specialist lithographic printed product
ICPPR531C Set up for specialist lithographic printing **OR**
ICPPR442C Produce specialist pad printed product
ICPPR541C Set up for specialist pad printing **OR**
ICPPR452C Produce specialist relief printed product

ICPPR551C Set up for specialist relief printing **OR**
ICPPR484C Prepare for variable data printing
ICPPR494A Apply advanced software applications to digital production
ICPPR495A Set up and use complex colour management for production

Group C Elective Units

BSBCUS401B Coordinate implementation of customer service strategies
BSBMGT402A Implement operational plan
BSBSUS501A Develop workplace policy and procedures for sustainability
BSBWOR402A Promote team effectiveness
ICPPP211C Develop a basic design concept
ICPPP311C Develop a detailed design concept
ICPPP334C Prepare an imposition format for printing processes
ICPPP385C Operate a database for digital printing
ICPPP452C Output complex images direct to plate or press
ICPPP484C Set up and operate automated workflow
ICPPP485C Develop a digital data template
ICPPR411C Mount and proof flexographic plates for complex printing
ICPPR471C Set up for complex coating
ICPPR472C Produce complex coated product
ICPPR484C Prepare variable data for digital printing
ICPSU389C Undertake basic root cause analysis
ICPSU464C Provide customer service and education
ICPSU485C Implement a just-in-time (JIT) system
ICPSU486C Mistake proof a production process
ICPSU487C Analyse manual handling processes
MSACMC410A Lead change in a manufacturing environment
MSACMT440A Lead 5S in a manufacturing environment
MSAENV472B Implement and monitor environmentally sustainable work practices
MSAPMSUP390A Use structured problem solving tools
TAEASS402B Assess competence
TAEDEL402A Plan, organise and facilitate learning in the workplace