



Australian Government

Department of Education, Employment and Workplace Relations

ICP40310 Certificate IV in Printing and Graphic Arts (Printing)

Revision Number: 1

ICP40310 Certificate IV in Printing and Graphic Arts (Printing)

Modification History

Not applicable.

Description

Descriptor

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)

Qualification Pathways

Entry requirements

This qualification requires the completion of all units of competency (core and electives) necessary for the award of ICP30510 Certificate III in Printing and Graphic Arts (Printing), or equivalent vocational competencies.

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 ICP30510 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).
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Pathways Information

Not applicable.

Licensing/Regulatory Information

Licensing, legislative, regulatory or certification considerations

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.

Prerequisite Units

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

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

ICP40310 Certificate IV in Printing and Graphic Arts (Printing)

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	<ul style="list-style-type: none"> reading and interpreting job requirements from the job documentation or production control system interpreting job briefs and advising clients about options and limitations
Teamwork	<ul style="list-style-type: none"> assisting in setting up major in-line printing/converting/binding units working with team members to ensure efficient production
Problem solving	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> contributing to decision making of the work group
Planning and organising	<ul style="list-style-type: none"> organising quick change over procedures planning the set up to minimise time and wastage
Self-management	<ul style="list-style-type: none"> using courteous, effective, responsive and supportive communication in workplace interactions using discretion and confidentiality when dealing with clients
Learning	<ul style="list-style-type: none"> giving and following simple routine instructions
Technology	<ul style="list-style-type: none"> setting up and monitoring production equipment using monitoring equipment and computerised production records

Packaging Rules

Packaging Rules

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

Packaging Rules

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.

Packaging Rules	
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	
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	
BSBCUS401A	Coordinate implementation of customer service strategies
BSBMGT402A	Implement operational plan
BSBSUS501A	Develop workplace policy and procedures for sustainability
BSBWOR402A	Promote team effectiveness
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

Packaging Rules

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
MSAENV472A	Implement and monitor environmentally sustainable work practices
MSAPMSUP390A	Use structured problem solving tools
TAAASS402C	Assess competence
TAADEL301C	Provide training through instruction and demonstration of work skills
TAADEL404B	Facilitate work-based learning