



Australian Government

Department of Education, Employment and Workplace Relations

ICP30510 Certificate III in Printing and Graphic Arts (Printing)

Revision Number: 1

ICP30510 Certificate III in Printing and Graphic Arts (Printing)

Modification History

Not applicable.

Description

Descriptor

This qualification applies to individuals working as print machinists in the printing and graphic arts industry. Print machinists typically set up and operate letterpress, lithographic, flexographic, gravure printing presses, digital printers and work on a range of printed products. They prepare material, monitor and run equipment and machinery and apply solutions to a defined range of unpredictable problems. They may also provide leadership and guidance to others with some limited responsibility for the output of others.

Job Roles

Print machinist

Pathways Information

Qualification Pathways

Entry requirements

There are no entry requirements for this qualification.

Pathways into the qualification

Candidates may enter the qualification with limited or no vocational experience and without a relevant lower level qualification. However, the preferred pathway for candidates entering this qualification is one of the following qualifications:

- ICP20110 Certificate II in Printing and Graphic Arts (General)
- ICP20210 Certificate II in Printing and Graphic Arts (Desktop Publishing)
- ICP20410 Certificate II in Printing and Graphic Arts (Print Production Support).

Pathways from the qualification

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

- ICP40310 Certificate IV in Printing and Graphic Arts (Printing)
- ICP40610 Certificate IV in Printing and Graphic Arts (Management/Sales)
- ICP40710 Certificate IV in Printing and Graphic Arts (Process Leadership).
-

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
ICPSU311C Prepare ink and additives	ICPSU211C Prepare ink and additives

Code and title	Prerequisite units required
(advanced)	
ICPPR494A Apply advanced software applications to digital production	ICPPR385A Apply software applications to digital production

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

ICP30510 Certificate III 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"> • negotiating requirements and methods of production with clients • reading and interpreting job requirements • using printing industry terminology and vocabulary correctly and accurately
Teamwork	<ul style="list-style-type: none"> • operating production processes in association with fellow workers • working with clients to decide on the best printing processes and ensure proofs meet their requirements
Problem solving	<ul style="list-style-type: none"> • monitoring production quality and making minor adjustments to processes • conducting a proof run, inspecting and testing the proof for quality and adjusting the printing machinery to ensure the product meets quality criteria
Initiative and enterprise	<ul style="list-style-type: none"> • anticipating and rectifying production problems • monitoring trends in the printing industry to inform personal work practices • recommending improvements to quick changeover procedures
Planning and organising	<ul style="list-style-type: none"> • selecting appropriate print processes and inks and additives • collecting and assessing data about printing processes and machine specifications and how these interact
Self-management	<ul style="list-style-type: none"> • following principles and obligations of copyright in personal work practices • following procedures and using personal protective equipment correctly
Learning	<ul style="list-style-type: none"> • giving and following simple routine instructions • implementing and monitoring new technology and work processes
Technology	<ul style="list-style-type: none"> • selecting and using printing processes based on knowledge of the capabilities and limitations of the processes • using computerised control, monitoring and data entry systems • using information technology, such as computer hardware and software to access data from files

Packaging Rules

Packaging Rules

Total number of units = 21 units

4 core units, plus

11 elective units from Group A, plus

6 elective units from Group B or Group C.

Up to 2 elective units from Group A can be substituted with Group B elective units listed below.

1 elective unit must be selected from Group B elective units. The remaining elective units may be selected from Group B or Group C elective units.

1 elective unit may be selected from the remaining elective units or from 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

BSBSUS301A Implement and monitor environmentally sustainable work practices

ICPSU216C Inspect quality against required standards

ICPSU260C Maintain a safe work environment

ICPSU262C Communicate in the workplace

Group A Elective Units

ICPKN312C Apply knowledge of printing machining **OR**

ICPKN321A Apply knowledge and requirements of digital production

ICPSU201C Prepare, load and unload reels and cores on and off machine* **OR**

ICPSU202C Prepare, load and unload product on and off machine*

ICPSU203C Prepare and maintain the work area

Packaging Rules

ICPSU207C	Prepare machine for operation (basic)
ICPSU208C	Operate and monitor machines (basic)
ICPSU211C	Prepare ink and additives
ICPSU224C	Perform basic machine maintenance
ICPSU263C	Perform basic industry calculations
ICPSU281C	Use computer systems
ICPSU323C	Dispose of waste
ICPSU357C	Apply quick changeover procedures
ICPPR385A	Apply software applications to digital production
* Both of these units can be selected in this qualification, if the enterprise requires both.	

Group B Elective Units

ICPPR392A	Set up and produce specialised digital print OR
ICPPR413C	Set up for complex flexographic printing OR
ICPPR421C	Set up for complex gravure printing OR
ICPPR431C	Set up for complex lithographic printing OR
ICPPR441C	Set up for complex pad printing OR
ICPPR451C	Set up for complex relief printing OR
ICPPR496A	Set up and produce complex digital print

Group C Elective Units

BSBCUS301A	Deliver and monitor a service to customers
ICAB4135B	Create a simple mark-up language document to specification
ICPCF221C	Set up and produce basic guillotined product
ICPCF225C	Set up machine for basic flat-bed die cutting or embossing
ICPCF226C	Produce basic flat-bed die cut or embossed product
ICPCF231C	Set up machine for basic flat-bed cutting
ICPCF232C	Produce basic flat-bed cut product
ICPCF241C	Set up machine for basic single or continuous folding
ICPCF242C	Produce basic single or continuous folded product
ICPCF243C	Set up machine for basic collating or inserting (sheet/section)
ICPCF244C	Produce basic collated (sheet/section) product

Packaging Rules

ICPCF281C	Set up machine for basic laminating
ICPCF282C	Produce basic laminated product
ICPCF341C	Set up machine for complex sequenced or multiple folding
ICPCF381C	Set up machine for complex laminating
ICPCF382C	Produce complex laminated product
ICPPP211C	Develop a basic design concept
ICPPP252C	Output images
ICPPP266C	Produce relief plates
ICPPP267C	Produce offset lithographic plates
ICPPP268C	Make photopolymer plates (flexographic)
ICPPP269C	Produce photopolymer plates for pad printing
ICPPP272C	Produce gravure cylinders manually
ICPPP352C	Output complex images
ICPPP370C	Produce multiple image plates
ICPPP372C	Produce gravure cylinders electronically
ICPPP397A	Transfer digital images
ICPPR211C	Mount and proof flexographic plates for basic printing
ICPPR214C	Produce basic flexographic printed product
ICPPR261C	Set up for foil stamping
ICPPR262C	Produce foil stamped product
ICPPR271C	Set up for basic coating
ICPPR272C	Produce basic coated product
ICPPR282C	Produce and manage basic digital print
ICPPR313C	Set up for basic flexographic printing
ICPPR314C	Produce complex flexographic printed product OR
ICPPR222C	Produce basic gravure printed product
ICPPR321C	Set up for basic gravure printing
ICPPR322C	Produce complex gravure printed product OR
ICPPR232C	Produce basic lithographic printed product
ICPPR331C	Set up for basic lithographic printing
ICPPR332C	Produce complex lithographic printed product OR
ICPPR242C	Produce basic pad printed product

Packaging Rules

ICPPR341C	Set up for basic pad printing
ICPPR342C	Produce complex pad printed product OR
ICPPR288A	Produce basic relief printed product
ICPPR382C	Produce and manage complex digital print
ICPPR383C	Prepare for personalised digital printing
ICPPR384A	Set up and produce basic digital print OR
ICPPR394A	Produce complex relief printed product
ICPPR386A	Troubleshoot digital media
ICPPR387A	Use colour management for production
ICPPR388A	Preflight and import complex images for digital device
ICPPR389A	Manage digital files
ICPPR390A	Generate a proof for digital production
ICPPR393A	Set up for basic relief printing
ICPPR494A	Apply advanced software applications to digital production
ICPSP311C	Reclaim screen manually
ICPSP215C	Prepare screen
ICPSP222C	Prepare and cut screen print substrate
ICPSP270C	Manually prepare and produce screen prints
ICPSP273C	Semi-automatically produce basic screen prints
ICPSP275C	Automatically produce basic screen prints
ICPSP351C	Prepare machine and drying/curing unit
ICPSP374C	Operate a semi-automatic screen printing machine
ICPSP382C	Produce computer image for screen printing
ICPSP383A	Prepare film for complex screen printing
ICPSU212C	Prepare coatings, adhesives
ICPSU221C	Pack and dispatch product
ICPSU222C	Pack and dispatch solid waste
ICPSU235C	Lift loads mechanically
ICPSU236C	Shift loads mechanically
ICPSU241C	Undertake warehouse or stores materials processing
ICPSU271C	Provide basic instruction for a task
ICPSU311C	Prepare ink and additives (advanced)

Packaging Rules

ICPSU342C	Undertake inventory procedures
ICPSU351C	Undertake basic production scheduling
ICPSU362C	Communicate as part of a work team
ICPSU381C	Operate and maintain computer resources
MSACMC210A	Manage the impact of change on own work
MSACMS200A	Apply competitive manufacturing practices
MSACMS201A	Sustain process improvements
MSACMT230A	Apply cost factors to work practices
MSACMT240A	Apply 5S procedures in a manufacturing environment
MSACMT280A	Undertake root cause analysis
MSAENV272A	Participate in environmentally sustainable work practices
MSAPMSUP390A	Use structured problem solving tools