Australian Government

ICP30512 Certificate III in Printing and Graphic Arts (Printing)

Release 2

INDUSTRY
SKILLS
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ICP30512 Certificate III in Printing and Graphic Arts (Printing)

Modification History

Release	Comments
Release 1	This Qualification first released with *ICP10 Printing and Graphic Arts Training Package version 2.0*. Core unit 'BSBSUS301A Implement and monitor environmentally sustainable work practices' replaced with 'BSBSUS201A Participate in environmentally sustainable work practices', and native and imported units updated. Replaces ICP30510 Certificate III in Printing and Graphic Arts (Printing).

Description

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

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

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
ICPSU311C Prepare ink and additives (advanced)	ICPSU211C Prepare ink and additives
ICPPR387A Use colour management for production	ICPPR284A Introduction to colour management
ICPPR494A Apply advanced software applications to digital production	ICPPR385A Apply software applications to digital production

Entry Requirements

There are no entry requirements for this qualification.

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	• negotiating requirements and methods of production with clients • reading and interpreting job requirements • using printing industry terminology and vocabulary correctly and accurately
Teamwork	• 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	• 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	• 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	• selecting appropriate print processes and inks and additives • collecting and assessing data about printing processes and machine specifications and how these interact
Self-management	• following principles and obligations of copyright in personal work practices • following procedures and using personal protective equipment correctly
Learning	• giving and following simple routine instructions • implementing and monitoring new technology and work processes
Technology	• 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

Total number of units = 21 units
4 core units *plus*
11 elective units from Group A *plus*
of the remaining 6 elective units

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

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

BSBSUS201A Participate in 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
ICPPR385A Apply software applications to 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
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
* 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
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 C Elective Units

BSBCUS301B Deliver and monitor a service to customers
ICAWEB429A Create a markup 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
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
ICPPR222C Produce basic gravure printed product
ICPPR232C Produce basic lithographic printed product
ICPPR242C Produce basic pad 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
ICPPR284A Introduction to colour management

ICPPR288A Produce basic relief printed product

ICPPR313C Set up for basic flexographic printing

ICPPR314C Produce complex flexographic printed product **OR**

ICPPR321C Set up for basic gravure printing

ICPPR322C Produce complex gravure printed product **OR**

ICPPR331C Set up for basic lithographic printing

ICPPR332C Produce complex lithographic printed product **OR**

ICPPR341C Set up for basic pad printing

ICPPR342C Produce complex pad printed product **OR**

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

ICPPR385A Apply software applications to digital production

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)

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

MSAENV272B Participate in environmentally sustainable work practices

MSAPMSUP390A Use structured problem solving tools