



Australian Government

MSTAT5008 Design and produce printed textiles

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Element 1 removed. Foundation Skills field populated. Range of Conditions removed. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTD5005 Design and produce printed textiles.

Application

This unit describes the skills and knowledge required to apply complex textile printing techniques and processes when interpreting and responding to a specified design brief for products such as garments, fabrics, accessories, giftware or other domestic products. Complex techniques and processes are those which relate to issues such as layering, use of multiple screens, repeat printing and working back into the print with stitching, beading or use fabric manipulation.

This unit applies to textile designers.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Develop print design	1.1 Identify design parameters from brief 1.2 Select dyes or pigments, colours and fabric substrates to meet design brief 1.3 Conduct research and experimentation to generate and explore design ideas that respond to the brief and the destination for the print 1.4 Select and use design communication tools to present design concept 1.5 Collaborate with other members of the design and development team

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	and exchange ideas about potential concepts and modifications
2. Prepare for print production	2.1 Source and prepare materials and equipment required for production 2.2 Identify and document technical aspects of production 2.3 Select artwork or develop for screen printing applications on textiles 2.4 Select and prepare fabrics, colour separations and stencils
3. Produce printed products	3.1 Create samples to test accuracy of colour separations, repeat pattern colour, placement and registration 3.2 Analyse and evaluate samples and modify technical or design elements to meet design specifications 3.3 Use tools and equipment in accordance with their intended purpose 3.4 Monitor printing process and identify and resolve problems or faults 3.5 Document processes and effects to ensure exact outcomes can be replicated

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret design specifications
- Writing skills to document processes in workplace formats
- Oral communication skills to liaise with others about design requirements

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSTTD5005 Design and produce printed textiles.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTAT5008 Design and produce printed textiles

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- create and produce at least two different print designs that respond to all of the following aspects of a design brief:
 - target market
 - material and/or style specifications
 - budget and cost point
 - production parameters and constraints
 - quality standards
 - sustainability and circularity requirements
 - communication and reporting requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- sources of design inspiration
- information resources on fibres, fabrics, materials and printing
- typical parameters of a design brief and their impact on the design process
- elements and principles of design
- the process for exploring and refining design ideas
- technical aspects of printing on textiles, including:
 - specific screen and mesh selection
 - stencil types
 - pre-production processes
 - screen reclamation
 - effect of printing on textiles and materials
 - appropriate dyes or pigments for substrates
 - appropriate finishing techniques (steaming, heat setting, washing and sewing)
 - appropriate quality processes (wash tests, light fastness and rub testing)

- screen faults (pin holes and poor image)
- tools and equipment associated with printing fabrics and other materials
- textile printing techniques
- design communication tools
- quality practices for printed textiles
- recording and reporting practices.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design briefs
 - design communication tools
 - materials tools and equipment for relevant techniques.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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