



Australian Government

MSTAT3002 Develop patterns using basic patternmaking principles

Release: 1

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Modification History

Release 1. Merges MSTCL3009 and MSTCL3013. Unit code, Title and Application changed. Title changed to reflect content and application now broader. Elements and Performance Criteria simplified with Element 1 and 2 combined. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTCL3009 Develop patterns from a block using basic patternmaking principles and MSTCL3013 Interpret patterns and apply pattern information.

Application

This unit describes the skills and knowledge required to interpret design specifications for textile products and use patternmaking principles to develop and test patterns to confirm specifications. Textile products may include apparel or non-wearable items.

This unit applies to individuals working in accordance with pre-determined designs and established procedures. They use discretion, judgement and problem solving to test and alter patterns.

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

Competency Field

Apparel, Fashion 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. Determine pattern requirements	1.1 Identify textile product features and scope of pattern requirements from design specifications 1.2 Identify fabric performance characteristics that may affect completed pattern 1.3 Plan pattern development process based on scope of requirements 1.4 Select and prepare required tools and equipment based on specifications and in accordance with work health and safety requirements

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Develop and test patterns	2.1 Use patternmaking principles to create pattern pieces 2.2 Identify and action opportunities to minimise waste in the patternmaking process 2.3 Check and confirm shape and accuracy of each pattern piece against design specification 2.4 Label all pattern pieces with required information to support production 2.5 Analyse available toile or prototype, refer back to pattern and check pattern accuracy, shape size and style features against design specification 2.6 Alter pattern to reflect outcomes of testing
3. Complete documentation	3.1 Document any alterations to first patterns in accordance with workplace procedures 3.2 Complete supporting pattern specification sheets in accordance with workplace procedures 3.3 Process and store documentation in accordance with workplace procedures

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 familiar workplace procedures and detailed design specifications
- Writing skills to communicate factual pattern and production information in workplace documents
- Numeracy skills to interpret numerical aspects of design specifications, take accurate measurements and make simple calculations.

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

Unit Mapping Information

No equivalent unit.

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 MSTAT3002 Develop patterns using basic patternmaking principles

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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:

- develop at least two patterns for textile products that meet design specifications, to include:
 - use of two of the following patternmaking principles:
 - contour sectioning
 - dart manipulation
 - pattern drafting
 - pivoting
 - square blocking
 - creation of accurate documentation:
 - labelling of pattern
 - pattern specification sheets.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the patternmaking process:
 - its role and impact on production
 - key steps and ways of minimising waste at each stage
 - principles and how they are applied:
 - contouring
 - dart manipulation
 - pattern drafting
 - pivoting
 - square blocking

- the impact of fabric performance characteristics
- purpose and use of toiles or prototypes
- uses and limitations of tools and equipment:
 - fashion triangle
 - French curve
 - pattern blocks
 - pattern notcher
- types of pattern markings and information required to support production:
 - lines – cutting, stitching, grain
 - darts
 - drill holes
 - notching
 - seam allowance
 - pattern information (size, style number, cutting instructions)
- typical problems that arise and how to respond
- processes for checking accuracy of:
 - functional openings
 - hems
 - seam and ease allowance
 - seam match
- workplace procedures for completion and processing of patternmaking documentation.

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 specifications
 - patternmaking tools and equipment
 - workplace procedures.

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

Links

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