



Australian Government

Assessment Requirements for MSTAT5006 Design and produce knitted textile products

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Prerequisite unit removed. 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 not equivalent to MSTTD5001 Design and produce knitted textile products.

Updated 26/6/2023 to correct that unit is not equivalent to MSTTD5001.

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 designs for at least two knitted textile products 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
- plan production of the two designs, including:
 - developing knit pattern
 - completing specification sheet to guide production
 - completing calculations to determine material and yarn quantities
 - selecting and preparing required materials, tools and equipment
- produce the two designs in accordance with specifications.
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Knowledge Evidence

- sources of design inspiration for knitted products
- elements and principles of knitting design
- the process for exploring and refining design ideas
- information resources on fibres and fabrics
- types and styles of knitted fabrics
- yarn characteristics and their impact on design and production
- technical aspects of knitted textile production, including:

- tools and equipment and their simple maintenance techniques, including:
 - knitting machines
 - punch card
 - blocking board
 - double bed colour changer
 - sewing machine
 - overlocker
 - garter bar and deco
 - computer cards
- patterns and their variations
- cut and sew techniques
- row knitting
- punch card lace
- typical fault conditions in knitted products and how to rectify these, including:
 - holes
 - foreign matter
 - creasing
 - lines
 - runs
- specification sheets and their inclusions for knitted products
- design communication tools
- strategies to evaluate design and production processes
- quality practices for knitted products
- 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.

Links

Companion Volume implementation guides are found in VETNet – -

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

