



Australian Government

MSTFD5001 Design bras and swimwear

Release: 1

MSTFD5001 Design bras and swimwear

Modification History

Release 1. Supersedes and is equivalent to LMTFD5001B Design bras and swimwear.

Application

This unit of competency covers the skills and knowledge to design structured bras and swimwear for production.

The unit of competency applies to designs which include structured foundations. Bras and swimwear that do not include these components are covered in other fashion design units.

The unit of competency applies to a variety of fabrics and garments which may be produced by an individual or design team. The extent and nature of product design will depend on the products individual workplace.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

MSTCL2010 Modify patterns to create basic styles

MSTFD4003 Assist in preparation of preliminary design concepts

Competency Field

Fashion design and technology

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 **Determine job requirements**

1.1 Follow standard operating procedures (SOPs)

1.2 Comply with work health and safety (WHS)

		requirements at all times
		1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4 Identify job requirements from specifications, drawings, job sheets or work instructions
2	Prepare to develop bras and swimwear	2.1 Research and analyse current national and international fashion trends, components, specialised needs and quality and special construction practices for structured foundations
		2.2 Analyse market and develop story themes to outline options
		2.3 Research and record appropriate production information
3	Develop design concept	3.1 Consider design requirements for design brief and develop preliminary design concepts
		3.2 Consult team members to assess and improve design
		3.3 Develop design concept to meet client brief
		3.4 Prepare artwork, drawings, specifications and any additional documentation that may be required, in appropriate format
		3.5 Include fit and performance standards in design concepts
4	Present and document the design	4.1 Prepare a presentation of the design concept
		4.2 Use appropriate communication tools and presentation skills to target needs of the audience
		4.3 Convey features and benefits of the design and promote acceptance and approval
		4.4 Prepare documentation to record the process and outcomes and maintain records

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Structured foundations include one or more of the following:

- boning
- underwire
- corsetry

Specialised needs include one or more of the following:

- styling features relating to health effects of bra and swimwear construction
- appropriate bra and swimwear structure for special client groups, including maternity, mastectomy, junior and costume wear
- sports and fuller figure bras and swimwear and the need for extra support
- use of specialist materials and trims

Developing story themes include one or more of the following:

- fashion magazines
- samples
- swatches
- trims
- colour palette

Production information includes the following:

- clarifying design parameters, in consultation with production manager, sales team, management and client, as required
- researching trends in fabrics and components for performance, colour, availability, care and maintenance requirements and suitability to design
- assessing technical requirements associated with production within specified guidelines
- identifying any additional expertise required for design

Fabrics include two or more of the following:

- one-way stretch
- two-way stretch
- no-stretch (bias cut fabrics)

Specifications include the following:

- budget
- type of garment
- style requirements
- fit model specifications
- size range
- timeline
- design restrictions or conditions

Audience includes one or more of the following:

- management
- client
- patternmaker
- sample machinist
- fitting and grading specialist

Unit Mapping Information

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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 MSTFD5001 Design bras and swimwear

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs) and safe work practices
- applying relevant standards
- researching local and overseas fashion trends and specialised construction for bras or swimwear
- researching and assessing production information and technical requirements for structured garments
- developing preliminary design concepts for structured garment designs, in response to design briefs for at least two (2) different target groups or specialised needs
- • communicating effectively with team members to assess and improve design
- developing design concepts to meet client brief, using two (2) different types of fabric: one-way stretch, two-way stretch or no stretch fabric
- preparing artwork, drawings, specifications, fit and performance standards, and any additional documentation that may be required, in appropriate format
- using communication and presentation skills to promote the design concept and target needs of audience
- documenting the process and outcomes, and maintaining accurate records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- Australian Standards for garment production
- discretion and judgement in planning and selecting processes
- elements and principles of quality design in the bra or swimwear industry
- industry, global and local trends
- fashion trends:
 - colour
 - fabrics
 - styles
 - trims
 - components

- garment construction
- specifications for structured garment production:
- budget
 - type of garment
 - style requirements
 - fit model specifications
 - size range
 - timeline
 - design restrictions or conditions
- components of structured garments:
 - straps
 - hooks
 - elastic
 - fasteners
 - ribbon
 - underwire
 - foam padding
 - oil filled straps
 - rings
 - fine lace and delicate fabrics
- characteristics of one-way, two-way and no-stretch fabrics
- research sources
- colour or colour mix and interpretation
- current practices and special construction methods for bras and swimwear with structured foundations :
 - fusing
 - gluing
 - moulding
 - sewing requirements
 - seam allowances
 - stitch requirements
- seam finishes, such as flat seam, blind hem and French seam
- fabrics, fibres, trims, components, accessories and their properties and characteristics
- quality practices
- communication tools:
 - inspiration board
 - storyboard
 - personal presentation
 - multimedia tools
 - print and audio tools

- demonstration or exhibition
- presentation skills:
 - effective verbal and non-verbal communication
 - active listening
 - use of appropriate communication tools
 - positive language
 - clear statement of main points
 - interpersonal communication skills
- body science:
 - structural anatomy
 - morphology
 - anthropometry
- workplace practices
- recording and reporting practices.
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Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in designing bras and swimwear at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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