



Australian Government

MSTFP4001 Develop design for custom-made footwear

Release: 1

MSTFP4001 Develop design for custom-made footwear

Modification History

Release 1. Supersedes and is equivalent to LMTFP4001A Develop design for custom made footwear

Application

This unit of competency covers the skills and knowledge required to develop a design for custom-made footwear.

This unit of competency applies to interpreting design requirements in consultation with client, determining specifications and developing the design for custom-made footwear.

Work may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Footwear production

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	Research footwear designs	1.1	Identify and access information sources on footwear design and construction techniques, to ensure knowledge is current
		1.2	Analyse current and historical trends in footwear design and construction techniques
		1.3	Analyse impact of footwear componentry designs on footwear
		1.4	Analyse footwear designs for various purposes

		1.5	Analyse current industry practices and relate to own work
2	Determine design requirements	2.1	Confirm purpose of footwear with client
		2.2	Confirm requirements for footwear design with client
		2.3	Use communication skills to identify key priorities of client
		2.4	Use design tools to develop design concepts
		2.5	Explore preliminary design concepts with the client using sketches, pictures, software tools or sample shoes
3	Measure and assess foot	3.1	Take measurements of foot in accordance with work health and safety (WHS) practices to determine footwear size requirements
		3.2	Perform gait analysis to obtain baseline data of client's walk pattern
		3.3	Conduct trial fit using commercial footwear or client's own footwear according to workplace procedures
4	Confirm footwear design	4.1	Calculate cost estimates and provide to client
		4.2	Finalise design to be used for footwear production and confirm order
		4.3	Document design and requirements

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
- standard operating procedures (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

Design tools include one or more of the following:

- software programs
- electronic tools
- storyboards
- catalogues and pictures
- drawings and illustrations

Requirements include one or more of the following:

- budget
- timing
- costs
- quality
- materials
- colour
- footwear components

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 MSTFP4001 Develop design for custom-made footwear

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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), safe work practices and other reference material
- applying relevant standards
- communicating with client to determine footwear requirements
- exploring design concepts
- using sketches, pictures, software tools or sample shoes to determine at least three (3) design concepts
- taking accurate measurements and performing foot analysis to assess requirements
- conducting trial fit according to workplace procedures
- calculating cost estimates
- developing final design specifications for at least three (3) examples of custom-made footwear
- applying work health and safety (WHS) policies in work operations
- 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)
- relevant Australian Standards
- elements and principles of design
- design tools
- footwear construction
- materials used in footwear production
- specification requirements and costing procedures
- WHS and environmental aspects of relevant workplace activities
- foot measurement and gait analysis techniques
- workplace procedures and reporting processes
- quality practices
- workplace procedures
- recording and reporting practices.

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 developing designs for custom-made footwear, 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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