



Australian Government

MEMPE005 Develop a career plan for the engineering and manufacturing industries

Release: 1

MEMPE005 Develop a career plan for the engineering and manufacturing industries

Modification History

Release 1. Supersedes and is equivalent to MEMPE005A Develop a career plan for the engineering and manufacturing industry.

Application

This unit of competency defines the skills and knowledge to research careers and training and career path options in the manufacturing and engineering industry. It involves research into the range of activities the industry and occupational streams cover, including engineering opportunities in industries not generally considered as engineering or manufacturing. For example, maintenance people in hospitals and teachers.

It describes entry-level skills and knowledge in preparation for employment within the metal, engineering, manufacturing and associated industries and is suitable for use in institutional-based vocational programs. Skills development takes place under direct supervision.

It is not to be used in a traineeship or apprenticeship training program or associated qualifications. It is only to be used in pre-employment programs and carries no credit towards apprenticeship/trade and other qualification types in manufacturing and engineering.

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

Pre-requisite Unit

Nil

Competency Field

Pre-employment

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Research engineering and manufacturing occupations	1.1 Identify industries involved in manufacturing and engineering 1.2 Determine the types of occupations in manufacturing and engineering 1.3 Identify and document qualifications for occupations, their

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	requirements and how they are achieved
2. Develop a career plan	2.1 Determine career paths within manufacturing and engineering 2.2 Develop a training plan for entry into and progression through the determined career paths 2.3 Assess and describe own skills and interests 2.4 Develop a strategy for gaining access to an identified occupation
3. Review plan	3.1 Discuss plan with appropriate people 3.2 Amend plan, as necessary

Foundation Skills

This section describes those language, literacy, numeracy and employment skills 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.

Research into industries includes:	- not limiting research to manufacturing and engineering industries - looking at all types of industries that employ engineering personnel with all levels of qualifications.
Industries employing engineering and manufacturing personnel include one or more of the following:	- engineering - manufacturing - hospitals - mines - power generation plants - maintenance of road plant - sugar mills - oil refineries - defence forces

	• marine vessels • railways • winemaking.
Occupations include one or more of the following:	• general duties • production work • electrical, electronics, fabrication and mechanical trades • para-professional engineers • engineers.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEMPE005A Develop a career plan for the engineering and manufacturing industry.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>

Assessment Requirements for MEMPE005 Develop a career plan for the engineering and manufacturing industries

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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:

- researching employment opportunities in industry
- developing a career plan
- reviewing the career plan on at least two occasions.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- techniques and process for developing a career plan
- types of manufacturing industries
- types of engineering industries
- industries that employ engineering people
- jobs/work roles in manufacturing and engineering
- types of learning institutions that support skills development in manufacturing and engineering.
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Assessment Conditions

- Assessors must:
 - have vocational competency in developing a career plan for the engineering and manufacturing industries at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015 or its replacement* and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring State as the case requires.

- This unit must be assessed in a learning institution and must cover the successful development of a career plan and the skills developed would usually be developed by an individual working alone under direct supervision.
- Conditions for assessment must include access to all research documentation.
- 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.
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