

Toolmaker

ANZSCO Code: 323412

Occupation Description:

Toolmakers make and repair tools, dies, jigs, fixtures and other precision parts and equipment to fine tolerances for machine tools and other production machinery.



Their job involves:

- > studying drawings and specifications to determine dimensions and tolerances of articles to be manufactured.
- measuring and marking out metal stock and castings using various gauges.
- cutting, shaping and forming metal and other materials using machine tools.
- > checking accuracy of manufactured articles to fine tolerances, using precision measuring instruments.
- testing and modifying manufactured articles.
- diagnosing and repairing faults with tools and machinery, and performing regular maintenance.

1

How will I be assessed?

Stage 1:Documentary Evidence Assessment

We will review your documentary evidence to ensure it meets the employment and training requirements and indicates that you have the necessary skills, knowledge and experience as a Toolmaker.

You can find information about the employment, training, and document requirements below:

- For information on what evidence you need to include with your application, download the Evidence guide.
- If you are in pathway 1 you also need to find information on assessment for your specific occupation
 - Video guide
 - Observation report
- For information about the employment experience requirements for a Pathway 1 application, please refer to the Pathway 1 Employment Experience Guidelines.
- If you are applying for a Pathway 2 assessment, please read the Pathway 2 Assessment Guide.

Stage 2: Technical Assessment



If you are successful in Stage 1, you will complete a technical assessment.

For more information about the technical assessment, see the **Pathway 1 Technical Assessment Guide** and **Pathway 2 Candidate Guide**.

What skills and knowledge do I need?

The qualification relevant to this occupation is MEM31519 Certificate III in Engineering – Toolmaking Trade. To be awarded this qualification, you must demonstrate your skills and knowledge in the following units of competency. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 33 units of competency:

- > 24 core units
- > 9 elective units

Core Units		
Code	Title	
Safety, communication and quality in engineering		
MEM13015	Work safely and effectively in manufacturing and engineering	
MEM13003	Work safely with industrial chemicals and materials*	
MEM16006	Organise and communicate information*	
MEM14006	Plan work activities*	
MEM11011	Undertake manual handling*	
MSMENV272	Participate in environmentally sustainable work practices	
MEM17003	Assist in the provision of on-the-job training*	
MEM16005	Operate as a team member to conduct manufacturing, engineering or related activities*	
Engineering measurements and tools		
MEM12023	Perform engineering measurements*	
MEM12003	Perform precision mechanical measurement*	
MEM12024	Perform computations*	
MEM09002	Interpret technical drawing*	
MEM12026	Perform advanced trade calculations in a manufacturing engineering or related environment*	
MEM16008	Interact with computing technology*	
MEM18001	Use hand tools*	
MEM18002	Use power tools/hand held operations*	
MEM18003	Use tools for precision work*	
Machining		
MEM12006	Mark off/out (general engineering)*	
MEM05005	Carry out mechanical cutting*	
MEM07005	Perform general machining*	
MEM07006	Perform lathe operations*	
MEM07007	Perform milling operations*	
MEM07009	Perform precision jig boring operations*	
MEM07008	Perform grinding operations*	
MEM15004	Perform inspection*	
Computer-controlled machines		
MEM07015	Set computer controlled machines and processes*	
MEM07016	Set and edit computer controlled machines and processes*	

Elective Units	
Code	Title
Cavity dies and press tools	
MEM06007	Perform basic incidental heat/quenching, tempering and annealing*
MEM18015	Maintain tools and dies*
Choose one unit from below	
MEM18097	Manufacture cavity dies*
MEM18014	Manufacture press tools and gauges*

How do I find out more about each unit of competency?

You are strongly encouraged to review each of the units of competency shown above. To do this:

- 1. Go to the following website: http://training.gov.au/Search.
- 2. Enter a unit code (e.g. MSMWHS200) into the 'Title or code' search box.
- 3. Click on the 'NRT' button.
- 4. Click on the 'Search' button.
- 5. Read the Unit of Competency information.

Where can I find more information?

Please refer to our website: http://www.vetassess.com.au/skills-assessment-for-migration/trade-occupations

If you have further questions, contact us at:

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