VETASSESS

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.

How will I be assessed?

Stage 1: Documentary Evidence Assessment 1

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
  - read the **Pathway 2 Assessment Guide.**
  - complete and submit **Observation report** with your application

Stage 2: Technical Assessment 2

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*

Code	Title
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*
Engineering components	
MEM18055	Dismantle, replace and assemble engineering components*
MEM18006	Perform precision fitting of engineering components*

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

2. Enter a unit code (e.g. MSMWHS200) into the search box.

3. Click on the Nationally recognised training 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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