

Toolmaker



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 and training requirements, and the documents required in the Pathway 1, Pathway 2 and Evidence guides on our website.

> vetassess.com.au

Stage 2: Technical Assessment

2

If you are successful in Stage 1, you will complete a technical interview with our assessor. The technical interview will be conducted in English and no interpreters are allowed.

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

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What skills and knowledge do I need?

The qualification relevant to this occupation is the **MEM31519 Certificate III in Engineering – Toolmaking Trade**.

To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table below. 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

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*

Engineering components

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

Elective Units

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*

You must demonstrate competency in all core and elective units of competency and all of their pre-requisite units.

NOTE: * — indicates that a unit requires a pre-requisite/s

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:

- › Go to the following website:
<http://training.gov.au/Search/>
- › Enter a unit code (e.g. MEM12024) into the search box
- › Click on the 'NRT' button
- › Click on the 'Search' button
- › Read the Unit of Competency information.

What will I receive after the assessment?

If you **successfully** complete Stage 2 you will receive:

- › A Skills Assessment Result Letter to support your visa application.

And if applying under Pathway 1:

- › An Australian Certificate III qualification and a Statement of Results.

If you are **unsuccessful** in Stage 2 you will receive:

- › A Skills Assessment Result Letter

And if applying under Pathway 1:

- › a Statement of Attainment that lists the units of competency you have successfully achieved
- › a Statement of Results that lists the units of competency you have successfully achieved and those that were not achieved.

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:



+61 3 9655 4801



tradeassess@vetassess.com.au

Contact us

Australia

Melbourne

(Headquarters)

Level 1, 85 Cremorne Street,
Cremorne VIC 3121

E info@vetassess.com.au

P +61 1300 VETASSESS
(1300 838 277)

China

Shanghai

C/o GLC
International Group
Suite 201 A-B
Zhongfu Building
288 Zhaojiabang Road
Shanghai, China

E china@vetassess.com.au

P +86 21 64731935

India

New Delhi

C/o EPR Solutions Pvt. Ltd
115, 1st Floor, Square One
C2-Saket Place
Saket District Centre
New Delhi – 110017

E india@vetassess.com.au

P +91 11 41009213

United Kingdom

London

E uk@vetassess.com.au

P +0808 234 9873