

## Fitter and Turner

ANZSCO Code: 323212

### **Occupation Description:**

Fitters and Turners fit, assemble, grind and shape metal parts and subassemblies to fabricate production machines and other equipment.



#### Their job involves:

- > Studying drawings and specifications to determine suitable material, method and sequence of operations, and machine settings.
- Cutting, grinding and shaping metal and other materials using specialised tools and machinery.
- > Fitting fabricated metal parts into products and assembling metal parts and subassemblies to produce machines and equipment.
- Checking fabricated and assembled metal parts for accuracy, clearance and fit using precision measuring instruments.
- Diagnosing and repairing faults with tools and machinery, and performing regular maintenance.

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#### 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 Commercial Cook.

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 the MEM30219 Certificate III in Engineering – Mechanical Trade (Fitting/machining).

To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table on the following pages. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 30 units of competency:

- > 12 core units.
- > 18 elective units.

Core Units		
Code	Title	
Safety, communication and quality in engineering		
MEM13015	Work safely and effectively in manufacturing and engineering	
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*	
Engineering med	asurements and tools	
MEM12023	Perform engineering measurements*	
MEM12024	Perform computations*	
MEM09002	Interpret technical drawing*	
MEM16008	Interact with computing technology*	
MEM18001	Use hand tools*	
MEM18002	Use power tools/hand held operations*	

#### **Elective Units**

Elective Units		
Code	Title	
Precision measurements		
MEM12003	Perform precision mechanical measurement*	
MEM18003	Use tools for precision work*	
Fitting		
MEM18010	Perform equipment conditioning monitoring and recording*	
MEM18055	Dismantle, replace and assemble engineering components*	
MEM18006	Perform precision fitting of engineering components*	
MEM18005	Perform fault diagnosis, installation and removal of bearings*	
MEM18007	Maintain and repair mechanical drives and mechanical transmission assemblies*	
MEM18012	Perform installation and removal of mechanical seals*	
MEM18009	Perform precision levelling and alignment of machines and engineering components*	
MEM10006	Install machine/plant*	
MEM18018	Maintain pneumatic system components*	
MEM18020	Maintain hydraulic system components*	
Machining		
MEM12006	Mark off/out (general engineering)*	
MEM05005	Carry out mechanical cutting*	
MEM07005	Perform general machining*	
MEM07006	Perform lathe operations*	

# 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.

The qualification relevant to this occupation is MEM30219 Certificate III in Engineering – Mechanical Trade

### 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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