



ENGINEERS
AUSTRALIA

Mechanical Engineering

Area of Practice / Area of Engineering

Mechanical engineering deals with the application of the principles of engineering and physics with the study of advanced materials for the design, analysis, manufacturing, and maintenance of mechanical systems.

Some of the indicative activities that may be undertaken when practising mechanical engineering are:

- consultancy
- design
- development
- installation
- maintenance
- manufacture
- operations
- project management
- research
- testing.

These activities could take place in any of the following mechanical engineering domains:

- aerospace
- agriculture
- automotive
- aviation
- biomedical
- buildings
- building services
- bulk handling
- chemical processing
- communications
- defence
- electrical power generation and distribution
- food processing
- health
- manufacturing and processing
- minerals processing

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- mining
- natural gas distribution
- oil and gas
- pharmaceuticals
- rail transport
- road transport
- ship building
- shipping
- water and sewerage.

To find out more about mechanical engineering visit our [Engineering communities](#) page.

How to apply

Mechanical engineering is an area of practice available to those who want to become Chartered and is available to all occupational categories. Learn more about becoming [Chartered](#) and how to apply.

If you want to add mechanical engineering as an additional area of practice, [email](#) us to enquire about the process.

Registration eligibility

Mechanical engineers may need to hold statutory registration in an Area of Engineering in accordance with relevant legislation. Check the [State registration](#) page for more information.