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'During my studies I was given the opportunity to become a member of the QUT Motorsport team and this has put me in an excellent position to realise my dream of becoming a racing engineer.' MATT GLASS

MECHANICAL ENGINEERING



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WHAT IS MECHANICAL ENGINEERING?

Mechanical Engineering turns energy into power and motion. Mechanical engineers design, create, improve and maintain systems and machinery that is used for private and commercial purposes.

Mechanical Engineering covers the design and manufacture of a great variety of products such as domestic appliances, industrial machinery, engines and complex systems such as the air-conditioning systems of buildings. It interlinks closely with other areas of engineering and applies knowledge of materials, energy and structures.

Mechanical Engineers keep pace with changing technology and act as an interface between new technology and society. They often work for industry designing systems and machinery that generate power, make products, move things and help in building.

Mechanical Engineers may also work in chemical processing, power generation, the aeronautical industry, defence technology, food processing and public utilities. They also conduct research to solve practical engineering problems and improve efficiency.

Mechanical Engineers frequently work closely with other professionals such as industrial engineers and architects, at times pooling expertise on particular projects. The activities of Mechanical Engineers are essential to society as they contribute to the sustainability of the environment and the future development of industry.

WHY CHOOSE MECHANICAL ENGINEERING AT QUT?

Mechanical Engineering at QUT offers you a balance of theory and practice to prepare you for the work environment. You will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real-world problem solving and application of theory in a program that is strongly oriented towards industry needs.

In this way, QUT makes you fully prepared to work in every aspect of mechanical engineering from technical analysis to the operation and maintenance of equipment and systems.

Graduates meet the requirements for membership of Engineers Australia. The course is also widely professionally recognised internationally, giving QUT graduates more career opportunities overseas.

IS MECHANICAL ENGINEERING FOR YOU?

If you are interested in any of the following, you may enjoy a career in Mechanical Engineering:

- Technical and engineering activities
- Mathematics, science and technology
- Working with your hands.

OTHER CAREERS TO CONSIDER

You may also like to consider a career in a related area which may involve similar interests, such as Aerospace Avionics Engineering, Civil Engineering and Infomechatronics Engineering.

CAREER OUTCOMES

Due to the diversity of activities and skills associated with Mechanical Engineering, there is a wide range of exciting employment opportunities for graduates in Australia and overseas. Graduates from this degree may find employment in a variety of roles such as a consultant, project manager or technical adviser in a wide range of industries including aviation, power generation, manufacturing, refrigeration and air-conditioning, transportation and mechanical handling.

Others may work under the guidance of more experienced staff selecting equipment, installing and commissioning plants. Graduates may also go on to design offices or manufacturing plants where they are concerned principally with the logistics of production and the efficient management of people and systems.

FURTHER INFORMATION

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