

Faculty of Engineering and Built Environment

Bachelor of Engineering (Mechanical)

Program Code: 10205



Graduate Profile

Graduates of a Bachelor of Engineering (Mechanical) program will be able to demonstrate:

1. A sound knowledge of engineering fundamentals and the sciences which underpin them.
2. An in-depth technical competence in at least one of the engineering specialisations.
3. The necessary skills to apply technologies and resources in engineering problem solving.
4. An appreciation of the broad range of issues which impact on the Engineering domain as a component of our society.
5. An ability to undertake problem identification, formulation and solution.
6. An understanding of social, cultural, global and environmental responsibilities and the need to employ principles of sustainable development.
7. An ability to utilise a systems approach to complex problems and to design and operation performance.
8. A proficiency in engineering design.
9. An ability to conduct an engineering project.
10. An understanding of the business environment and the ability to employ business principles within engineering projects.
11. An ability to communicate effectively, with the engineering team and with the community at large.
12. An ability to manage information and documentation.
13. A capacity for creativity and innovation.
14. Understanding of professional and ethic responsibilities and a commitment to them.
15. An ability to function effectively as an individual and in multidisciplinary and multicultural teams, as a team leader or manager as well as an effective team member.
16. A capacity for lifelong learning and professional development.
17. The ability to demonstrate the knowledge, skills and attitudes of a professional engineer.