

Mechanical Engineering Technician

Program Learning Outcomes

Learning outcomes represent culminating demonstrations of learning and achievement. In addition, learning outcomes are interrelated and cannot be viewed in isolation of one another. As such, they should be viewed as a comprehensive whole. They describe performances that demonstrate that significant integrated learning by graduates of the program has been achieved.

The graduate has reliably demonstrated the ability to

1. Complete all work in compliance with current legislation, standards, regulations and guidelines.
2. Apply quality control and quality assurance procedures to meet organizational standards and requirements.
3. Comply with current health and safety legislation, as well as organizational practices and procedures.
4. Apply sustainability best practices in workplaces.
5. Use current and emerging technologies to support the implementation of mechanical engineering projects.
6. Analyze and solve mechanical problems by applying mathematics and fundamentals of mechanical engineering.
7. Interpret, prepare and modify mechanical engineering drawings and other related technical documents.
8. Contribute to the design and the analysis of mechanical components, processes and systems applying fundamentals of mechanical engineering.
9. Manufacture, assemble, maintain and repair mechanical components according to required specifications.
10. Verify the specifications of materials, processes and operations to support the design and production of mechanical components.
11. Contribute to the planning, implementation and evaluation of projects.
12. Develop strategies for ongoing personal and professional development to enhance work performance.