

Higher National Diploma In Mechanical Engineering

The HND provides a sound understanding of all key principles including core modules in Mechanical Principles, Analytical Methods, Engineering Science and a project. It has been developed in consultation with local industry, and combines theory and practical work with the focus being on industrial applications.

- **International Year 1**
Analytical Methods for Engineers
Material Engineering
Computer-aided Machining
Engineering Science
Manufacturing Process
Mechanical Principles
Engineering Thermodynamics
Fluid Mechanics
IELTS Writing, Listening, Speaking & Reading
Engineering English

- **International Year 2**
Mechanical Principles
Engineering Design
Design for Manufacture
Heat Transfer and Combustion
Strengths of Material
Computer aided Design and Manufacture
Application of Machine Tools
Project Design, Implementation & Evaluation
IELTS Writing, Listening, Speaking & Reading
Engineering English

Duration = 10 months

Mode of Assessment*

1. Examination
2. Assignment
3. Presentation

Progression Pathway

Upon successful completion of HND program, students can advance to the following Bachelor's Degree Course.

- B.Eng (Hons) Mechanical Engineering
- B.Eng (Hons) Mechanical and Manufacturing Engineering
- B.Sc (Hons) Product Design Engineering

Career Opportunities

Work as a technician engineer in mechanical engineering design, manufacture, maintenance and testing.

- Product Design Engineer
- Manufacturing Engineer
- Mechanical Project Engineer