DIPLOMA IN MECHANICAL ENGINEERING

Students are provided with foundation skills needed to conceive and produce the moving parts, components and machinery in every aspect of manufacturing. They will be equipped with broad-based mechanical engineering knowledge in both theoretical and practical aspects. This programme covers a comprehensive range of courses in mechanical engineering.

Programme structure

**Level 1**
- Circuit Theory
- Engineering Drawing
- Engineering Dynamics
- Engineering Statics
- English Communication Skills
- Mathematics 1
- Mathematics 2
- Mathematics 3
- Mechanics of Engineering Materials
- Physics
- Programme Logic Formulation
- Structure & Properties of Materials

**Level 2**
- Communicative Foreign Language
- Engineering Drawing 2 – Mechanical Engineering
- Engineering Thermodynamics
- Fluid Mechanics
- Introduction to Control Systems
- Mechanics of Machines
- Professional Development
- Project – Mechanical Engineering
- Workshop Technology & Workshop Practice

**MPU subjects**
- Community Service & Co-curriculum
- Critical Thinking for Better Communication / Bahasa Kebangsaan A*
- Malaysian Studies 2 (Local students) / Communication in Malay 1B (International Students)
- Personal Financial Planning

**Career opportunities**
Mechanical Engineer Assistant, Automotive Engineer Assistant, Application Engineer Assistant, Sales Engineer Assistant, Mould Design Assistant, Process Technician, Maintenance Technician, QA / QC Assistant

**Duration**
2.5 Years

**Offered at**
INTI International University
INTA/JPS(A10107)03/2019
INTAKES: JAN, MAY & AUG

**Offered at**
INTI International College Subang
INTA/JPS(A5764)09/2014
INTAKES: JAN, APR & AUG

**Programme structure**

**Level 1**
- Engineering Drawing
- Engineering Dynamics
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Mathematics 3
- Engineering Statics
- Mechanics of Engineering Materials
- Physics
- Programme Logic Formulation
- Structure & Properties of Materials

**Level 2**
- Electrical Power & Machines
- Engineering Drawing 2 – Mechanical Engineering
- Engineering Thermodynamics 1
- Engineering Thermodynamics 2
- Fluid Mechanics 1
- Fluid Mechanics 2
- Internship
- Machine Components Design
- Mechanics of Machines
- Professional Development
- Project – Mechanical Engineering
- Workshop Technology & Workshop Practice

**MPU subjects**
- Community Service & Co-curriculum
- Critical Thinking for Better Communication / Bahasa Kebangsaan A*
- Malaysian Studies 2 (Local students) / Communication in Malay 1B (International Students)
- Personal Financial Planning

*For Malaysian students who do not have a credit in SPM BM.