

DIPLOMA IN ENGINEERING TECHNOLOGY (MACHINE TOOLS MAINTENANCE)

JPT/BPP(K)1000-600/B293 J1d3(5)(N/521/4/0102)(MQA/FA 4786) 12/2019

PROGRAMME BRIEF

The Machine Tools Maintenance programme is driven by a number of factors, including the migration from manual to CNC machine tools, higher production rates and higher quality requirements in which reducing machine tool downtime and assuring quality have become increasingly important as the demand for higher production rates and closer tolerances continues to grow.

Other than learning about how each part of the machine functions in relation to the overall machine process, the students will be equipped to develop and conduct a preventative maintenance programme that will maximize the machine tool performance.

The programme will also cover the standard services that includes a thorough inspection of the machine's key components and mechanical systems for which the graduates will perform tasks such as maintenance, cleaning, tightening and lubrication of the mechanical and electrical components. The comprehension of the entire infrastructure of machine tools will allow the graduate to earn the competency in comprehensive machine maintenance and repairing services.

CORE STUDY AREAS

- Maintenance Fundamentals
- Pneumatic & Hydraulic System Maintenance
- Machine Repair & Retrofit
- Machine Electrical Faults & Diagnosis

JOB OPPORTUNITIES

- Machine Maintenance Specialist
- Engineering Field Services
- QC/QA Assistant Engineer
- Assistant Equipment Engineer

