

ADTEC
TAIPING

DIPLOMA IN

QUALITY ASSURANCE
TECHNOLOGY

VK04

DIPLOMA IN QUALITY ASSURANCE TECHNOLOGY

QUALITY ASSURANCE TECHNOLOGY SECTION
(DEPARTMENT OF MANUFACTURING AND ADVANCED MATERIALS)

STUDY DURATION :
36 MONTHS (FULL TIME)

1. SPM GRADUATE.

- i. Pass the SPM in these following subjects:
- Bahasa Melayu/ Malay Language
 - Sejarah / History
 - Matematik/ Mathematics
 - Any one (1) subject other than the subjects mentioned above.

PROGRAMME SYNOPSIS :

This programme is designed to produce students who are knowledgeable in the field of Quality Assurance Technology. The syllabus developed meets the requirements of the industry especially in mechanical and manufacturing fields. Five (5) main cores have been arranged to produce students who meet the needs of the industry:

1. Inspection using high precision equipment.
2. Product testing meets compliance standards.
3. Measurement and analysis on measurement equipment.
4. Standard setting and customer requirements.
5. Solutions using efficient quality equipment.

PROGRAMME STRUCTURE :

Students will be exposed to and study the following subjects :

YEAR ONE

Core Subject

1. Fundamentals of Workshop Technology
2. Precision Measuring equipments
3. QC Tools
4. Destructive testing
5. Acceptance Sampling
6. Quality Assurance Standard Operating Procedure)

General Subject

1. Core Ability Level 1 & 2
2. Physics
3. Mathematics)
4. Computer Application
5. Islamic education
6. Communication english
7. Co-curriculum

YEAR TWO

Core Subject

1. Lean Management
2. Non Destructive testing
3. Statistical Process Control (SPC)
4. CMM
5. Measuring Equipment Calibration
6. Failure Modes And Effects Analysis (FMEA)
7. Final Year Project 1

General Subject

1. Core Ability Level 3
2. Mathematics
3. Islamic education
4. Communication english

YEAR THREE

1. Internal Quality Auditing
2. Measurement System Analysis (MSA)
3. Customer Service Quality Assurance (QA)
4. Quality Control Circle (QCC) or Innovative & Creative Circle (ICC)
5. Process Improvement with Design of Experiment (DOE)
6. Understanding and knowledge on Quality Management System (QMS)
7. Final Year Project 2
8. Core Ability Level 4

SPONSORSHIPS AND SCHOLARSHIPS

PTPK, JPA, Baltulmal, SUK Negeri (State Government Secretary), Yayasan Negeri (State Foundation), Yayasan Bank Rakyat (Bank Rakyat Foundation)

JOB PROSPECTS

1. Quality Control Technician (QC)
2. Quality Control Technician (QA)
3. Metrology Technician
4. Test Technician
5. Maintenance Technician
6. Audit Technician

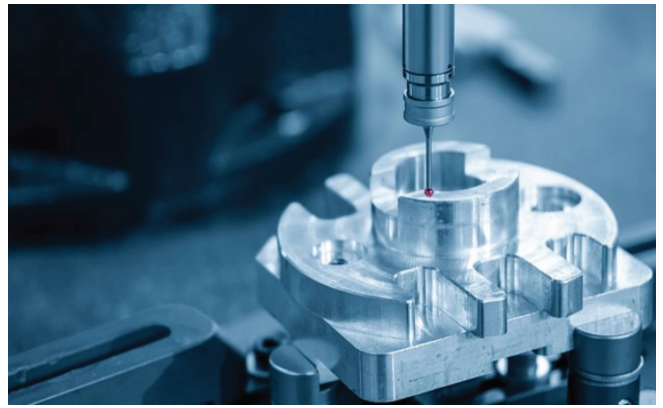
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THE PROSPECT OF FURTHER STUDIES

Graduates who graduate with distinction can continue their studies at Public Skills Training Institutes (ILKA), and public and private technical universities. Among the ILKA and universities that offer places to continue their studies are as follows:

- Malaysian Skills Advanced Diploma (DLKM) Manufacturing Technology Level 5, Japan Malaysia Technical Institute (JMTI)
- Vocational Teacher Advanced Diploma (DLPV) Production Technology Level 5, The Centre for Instructor and Advanced Skill Training (CIAST)
- Bachelor's Degree in Quality Engineering Technology with Honours, Kuala Lumpur University (UniKL)
- Bachelor's Degree in Manufacturing Engineering with Honours, University of Malaysia Perlis (UniMAP)
- Bachelor's Degree in Mechanical Technology (Machining) with Honours, University of Malaysia Perlis (UniMAP)
- Bachelor's Degree in Mechanical Technology (Product Development) with Honours, University of Malaysia Perlis (UniMAP)
- Bachelor's Degree in Mechanical Engineering with Honours, Technical University of Malaysia Melaka (UTeM)
- Bachelor's Degree in Manufacturing Engineering with Honours, Technical University of Malaysia Melaka (UTeM)
- Bachelor's Degree in Mechanical with Honours, University of Malaysia Pahang (UMP)
- Bachelor's Degree in Industrial Machining Technology with Honours, Tun Hussein Onn Malaysia University (UTHM)
- Bachelor's Degree in Technical and Vocational with Honours, Tun Hussein Onn Malaysia University (UTHM)



PENERAJU KEMAHIRAN TERBILANG

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Advanced Technology Training Center (ADTEC)Taiping

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