



**NEW ERA
INSTITUTE**
OF VOCATIONAL & CONTINUING EDUCATION
新纪元技职与推广教育学院
LO2635
Owned by Dong Jiao Zong Higher Learning Centre Pte Ltd (232570A)



课程设有实习
With Internship

汽车维修与新能源汽车科技

Automotive and New Energy Vehicle Technology (ANEVT)

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Automotive and New Energy Vehicle Technology (ANEVT)

2 年课程

Years Course

▲ 80% 实践训练
80% Practical Skills

▲ 20% 理论
20% Theory

▲ 教学媒介语以中文为主，
英文为辅
Medium of Instruction:
Chinese & Simple English

▲ 16 岁以上即可报读，
无需入学资格
Entry Requirement:
16 Years Old & Above

▲ 课程设有实习
With Internship

此两年的专业技职教育课程为学生提供现代化汽车领域的全方位实践技能与专业知识，包括时下所需的重要维修保养技能、商用车、汽车销售以及汽车维修保养等。课程着重于学生的技术表现、品格塑造与态度培养。

The two-year professional technical and vocational education course provides students with a full range of practical skills and expertise in the field of modern automobiles, including important repair and maintenance skills needed today: modern automobiles, commercial vehicles, automobile sales, and automobile maintenance and other fields. The course focuses on student's technical performance, character and attitude.

学生将学习 / Students will learn and be able to:

- ▲ 现代化汽车的高端维修技术和专业诊断技能。
High-end maintenance technology and professional diagnostic skills for advanced cars.
- ▲ 掌握独特的轻型商用车辆专业维修技术。
Master the unique professional maintenance technology of Light Commercial Vehicles (LCV).
- ▲ 全方位掌握汽车领域所有重要技能。
Master all the important skills needed for the full range of automotive.
- ▲ 掌握独特的汽车销售顾问技巧。
Master unique Sales Advisor skills (SA).
- ▲ 深入了解数位化与科技化的汽车维修技术。
In-depth understanding of digital and technological maintenance skills.



课程内容 | COURSE OUTLINE

- 汽车车间实践
Automotive Workshop Practices
- 汽车引擎保养和大修
Vehicle Engine Service & Overhauling
- 汽车电气和电子原理
Vehicle Electrical & Electronic Principles
- 辅助约束系统 (SRS)
Supplemental Restraint System (SRS)
- 汽车电池, 充电和启动系统
Vehicle Battery, Charging & Starting Systems
- 汽车传统和电子点火系统
Vehicle Conventional & Electronic Ignition Systems
- 汽车燃油喷射系统
Vehicle Fuel Injection System
- 汽车排气系统
Vehicle Exhaust System
- 汽车引擎管理系统 (EMS)
Vehicle Engine Management System (EMS)
- 轻型和重型汽车变速器系统
Light & Heavy Vehicle Transmission Systems
- 汽车悬架, 转向和车轮系统
Vehicle Suspension, Steering and Wheel Systems
- 轻型和重型汽车制动系统
Light & Heavy Vehicle Brake Systems
- 汽车加热通风空调系统 (HVAC)
Vehicle Heated Ventilation Air-Conditioning (HVAC) System
- 汽车系统故障诊断与整顿
Vehicle System Fault Diagnosis and Rectification
- 新能源汽车检查
New Energy Vehicle Inspection
- 新能源汽车储能系统维修
New Energy Vehicle Energy Storage System Servicing
- 新能源汽车电力电子系统维修
New Energy Vehicle Power Electronic System Servicing
- 新能源汽车支持子系统维修
New Energy Vehicle Supporting Sub System Servicing
- 新能源汽车系统监控功能
New Energy Vehicle System Supervisory Function
- 基于工作的技术和软技能
Work-Based Technical & Soft Skill
- 整车项目
Vehicle Project
- 受监督工业培训 (实习)
Supervised Industrial Training (Internship)

* Please note that the modules listed are indicative and may be subject to change.



评估标准 | ASSESSMENT

100%作业及实践练习, 本课程提供汽车维修与新能源汽车科技的理论20%与实践80%, 聚焦于工作场所的实际应用。

鼓励团队合作, 让学生学会分组合作或单独工作以完成专题作业。

100% Assignment and Practical Exercises. The course offers both the theory (20%) and practice (80%) of Automotive and New Energy Vehicle Technology skills, with a focus on the practical application of these skills in the workplace.

Teamwork is encouraged and students learn to work in groups or individual to complete their projects.



考取资格 | QUALIFICATIONS

马来西亚国家技术发展局颁发之马来西亚技能证书
Sijil Kemahiran Malaysia

英国西苏格兰学院汽车维修科技专业文凭
Diploma in Automotive Technology,
West College Scotland, UK

英国西苏格兰学院新能源汽车科技高级文凭
Advanced Diploma in New Energy Vehicle,
West College Scotland, UK



就业前景 | CAREER PATHWAYS

首席技师、汽车维修主管、车间经理、培训经理、零件主管、汽车维修服务顾问、汽车诊断专家、技术主管、汽车销售主管、汽车经销顾问、汽车工程师、车辆专业检测师、汽车保险索赔与检测专员等。

Chief Technician, Car Maintenance Supervisor, Workshop Manager, Auto Training Manager, Auto Parts Supervisor, Service Advisor, Car Diagnostic Expert, Technical Supervisor, Sales Advisor, Car Distribution Consultant, Car Engineer, Vehicle Professional Inspector, Auto Insurance Claims and Inspection Specialist, etc.



全方位掌握汽车领域所有重要技能。

Master all the important skills needed for the full range of automotive.



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(DEPARTMENT OF INDUSTRIAL ENGINEERING)

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(GENERAL LINE)

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