PROFESSIONAL BACHELOR MAINTENANCE AND TECHNOLOGY - MULTI-TECHNICAL SYSTEMS

VEHICLE TECHNOLOGY AND EQUIPMENT - VTE

ENTRY REQUIREMENTS

Completion of a one or two-year Bachelor's degree or a high school diploma + 2 years of higher education (Advanced Vocational Training Certificate - BTS - or University Technical Diploma - DUT) in the technical field with experience (or high motivation) in the vehicle field (either linked to a course such as the BTS in Automotive After Sales or to internships in the sales or after sales department of a car dealership).

ACQUIRED SKILLS

VTE pathway:
- train future managers who specialise in technology and are able to adapt the company's service to its technological developments.
- be able to manage a team and communicate with it in the context of the automobile and commercial vehicle aftermarket.

General skills:
- assess and sort out complex failures in vehicles connected with electronically operated systems (3VE option - Electronic Equipment/ Vehicle Electronics), and assess the methods for car bodywork repair - painting (BBC option - Bodywork and Bodywork Coating)
- technological development in the service's economic framework in a quality, safety and environment regulatory framework.
- staff management.

YOUR FUTURE CAREER

Integration into the workplace in technical management positions in vehicle maintenance company workshops.
Integration into the workplace as a trainer in a training centre.

BENEFITS OF THE PROGRAM

The course is a full time sandwich course (3 weeks at the University / 3 weeks in a company) see attached schedule example. The in-company training period is coordinated with the course and monitored on a monthly basis. A supervised project based on an issue in the company enables students to put themselves in the position of project leader.
Unit 1: Business communication (ECTS : 9) Structuring and writing business literature (ECTS : 2) - Communication and professional activities (ECTS : 2) - Management-related office systems (ECTS : 2) - English (ECTS : 1) - Business English (ECTS : 2)

Unit 2: Scientific sector-related tools (ECTS : 11) - Mathematical tools (ECTS : 2) - Scientific culture applied to vehicles (ECTS : 3) - Business organisation and economics (ECTS : 3) - Functional and structural analysis of an automobile (ECTS : 3)

Unit 3: Knowledge of the professional environment (ECTS : 8) - Customer service and relations (ECTS : 3) - Occupational risk prevention (ECTS : 3) - QSE management (ECTS : 1) - Skills management (ECTS : 1)

Unit 4-1: Electrical and Electronic Equipment for Vehicles Option (3VE) (ECTS : 11) - Study of diagrams and multiplexing (ECTS : 2) - Applied analyses of vehicle EMS 1 (ECTS : 3) - Diagnostic assistance and instrumentation (ECTS : 3) - Applied analyses of vehicle EMS 2 (ECTS : 3)

Unit 4-2: Vehicle Bodywork and Coatings Option (VBC) (ECTS : 13) - Wheel axle unit and structure check (ECTS : 3) - Bodywork repair procedures (ECTS : 4) - Bodywork coating (ECTS : 3) - The procedures used for assessment (ECTS : 3)

Unit 5: Supervised projects - 150 hours (ECTS : 9) - Work Supervised projects (ECTS : 1) - Project management (ECTS : 3)

Unit 6: In-company training (ECTS : 12)