

# ELECTRICAL ENGINEERING VOCATIONAL Baccalauréat



## THE JOB

General or industrial electricity

## THE MISSIONS

Implant, connect, operate and maintain electrical installations

## AREAS OF INTERVENTION

Production, transport, distribution, transformation, energy control

## HOST COMPANIES

Craft firms, small, medium, large sized companies in varied fields : home, tertiary, industrial sectors, services, food industry, public equipments...

## WHAT DOES THE ELECTRICAL ENGINEERING VOCATIONAL BACCALAURÉAT CONSIST OF ?

PREPARATION

DEVELOPMENT

COMMISSIONING

MAINTENANCE

COMMUNICATION

**22 WEEKS**  
AS A TRAINEE  
IN COMPANIES



In their achievements, they master the standard, regulatory aspects of the safety of people and goods, of energy efficiency, of environmental protection and of sustainable development.

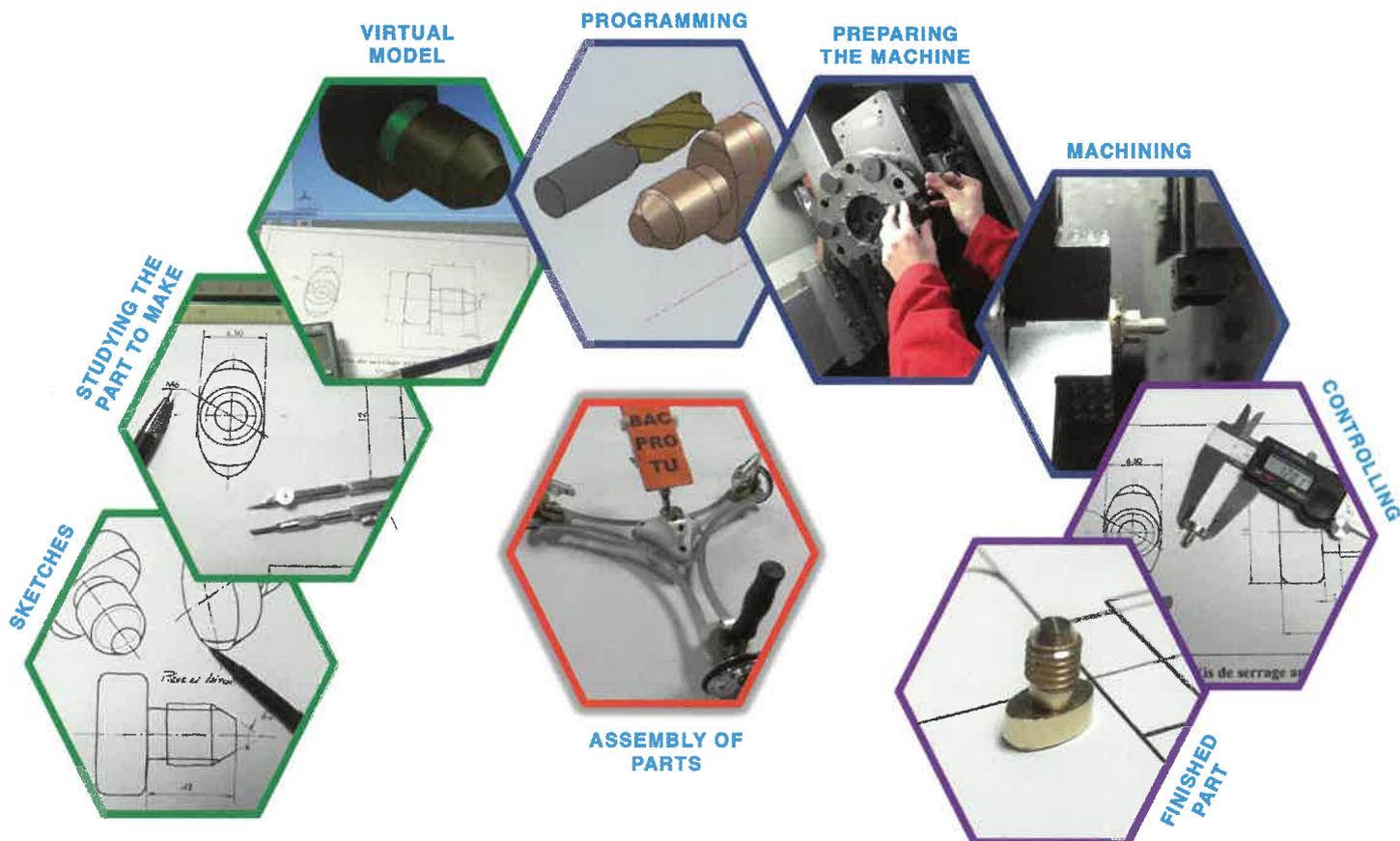
# MACHINING TECHNICIAN

## VOCATIONAL Baccalauréat



THE JOB	REQUIRED QUALITIES	WAGES AND EMPLOYABILITY	JOB OPPORTUNITIES	POSSIBLE EVOLUTION
Making mechanical parts, Driving machine tools	Thorough, Skilful, Curious	From €1100 to €1600 for early career workers on permanent contracts	in mechanical industries	Machine tool operator, Mechanical technician, Industrial designer

### DRIVING A NUMERICAL CONTROL MACHINE, WHAT IS IT ?



They can intervene in any mechanical field

They are able to carry out studies of complex products

They are able to drive numerical control machines

# VEHICLE MAINTENANCE VOCATIONAL BACCALAURÉAT\* Passenger car option

\*Vocational certificate during the second training year

\*A professional training: 55 per cent in High School / 45 per cent in companies (22 weeks)



## THE JOB

Maintenance  
Diagnosis  
Repair

## REQUIRED QUALITIES

Spirit of initiative  
Sociability (customers)  
Rigour and analysis (diagnoses)  
Curiosity (new technologies)

## EMPLOYABILITY

Car dealerships,  
agents, independent  
mechanics,  
transport fleet...

## EVOLUTION

Further education  
(HND, bachelor degree,  
motor sports...), technical  
advisor, shop manager,  
technical controller,  
automotive expert

## THEY INTERVENE ON THE MECHANICAL AND ELECTRONICAL SYSTEMS ON THE WHOLE

VEHICLE  
TYPE-APPROVAL

DIAGNOSIS

PERIODICAL AND  
CORRECTIVE  
MAINTENANCE

VEHICLE  
RETURN



AIR CONDITIONING



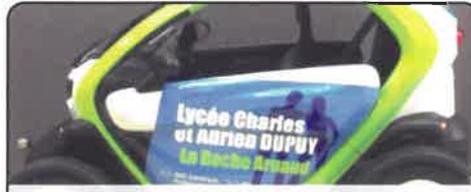
BRAKE SYSTEMS



RUNNING GEARS



DIAGNOSES



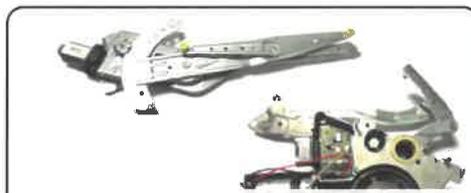
ELECTRIC VEHICLES



TRAINING VEHICLES



MODELS



TRAINING SYSTEMS



ENGINES

Carry out regular vehicle maintenance (oil changing, tyres, brakes, shock absorbers, exhaust pipes, engine timing...)  
Diagnose mechanical or electrical breakdowns. Make the vehicle conform again.