

**TRAINING  
VOCATIONAL**



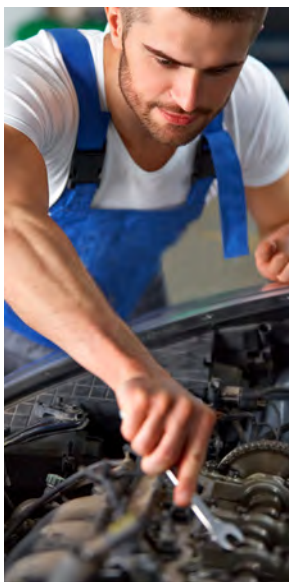
# **TRAINING PROVISION**

**FIND OUT WHICH COURSE ADAPTS BETTER TO YOU**

Become a professional: gain work experience while studying



**CIFP FERROLTERRA**



# TRAINING Vocational

Vocational training “comprises a set of training courses which aim at qualifying students to work in a range of professions, to have access to employment and to actively participate in social, cultural and economic life”.

## 4 **What is Vocational Training?**

It is the education comprising different studies or apprenticeships which...

## 7 **Training Cycles**

The Training Cycles are included within the training provision of Vocational Training...

## 9 **Intermediate-Level Training Cycles**

ILTC (CFGM) are Vocational Training studies aimed at...

## 18 **Higher Level Training Cycles**

HLTC (CFGs) are aimed at those students who are looking for higher education studies...

## 30 **Basic Vocational Training**

It aims at ensuring that students acquire a body of knowledge...

## 32 **Discover our school**

It is a school open to all without making any discrimination of any kind...

## 33 **Job Centre**

The aim of the Job Centre of CIFP Ferrolterra is to...

## 34 **International programmes**

# What is Vocational Training?

It is the kind of education that encompasses studies or apprenticeships aimed at labour insertion. It is a training education system as valid as university education, characterized by its practicality and closeness to companies. It is about learning by doing.



In addition, Vocational Training has other very positive aspects:

- These studies are shorter than university studies so that integration into the labour market is usually faster.
- The relationship with the teaching staff is very special, working as part of a team from the very first moment: rather than learning with a teacher, it is about learning with a classmate with more experience.
- Registration fees are free of charge.
- You will be able to complete internships abroad in prestigious companies.

Vocational Training also offers these courses in the following methods of instruction: face-to-face (both in evening and day classes), online and dual.

**FACE-TO-FACE VET:** It consists of studying at an educational centre, either at day or night schedule (modular).

**ONLINE VET:** VET allows you to carry out your studies online.

**DUAL VET:** It is a face-to-face method of vocational training that combines the theory in a specialized centre with practice at a company of the sector.

With these innovative methods, companies can support new organization models of Vocational Training aimed at achieving excellence in the relationship of the company with Vocational Training Schools.

You will also be able to access certain modules thanks to your work experience.

## Vehicle maintenance

*Students at the Motor Vehicle workshop*

*Vocational Training shall promote effective equality of opportunities for men and women in order to access an education leading to all kinds of professional options and their exercise.*



Vocational training courses should be attended by those students understanding the training cycles, both of intermediate and higher level, as **an attractive, accessible and high quality option** that will facilitate an innovative and flexible training very close to the social and business reality. This option will also allow them to adapt to the diversification of tasks and also to different jobs. After completing their training, they will have access to a satisfactory labour insertion in the field the student has studied for. Thus, **VET is the fastest and safest way to get your first job.**



*The implementation of innovation in the labour market demands an increasingly innovative and dynamic VET that wins the confidence of business investment.*

At present, VET is the professional studies closest to the reality of labour market which satisfies the current demand for hiring qualified staff specialized in different professional sectors.



# Training Cycles

The Intermediate- and Higher-Level Training Cycles are organized in two-year-modules with theoretical and practical contents adapted to each professional field.

In addition to practical activities in the classroom, they also include Training in Work Centres (FCT), that is, internships at companies, an essential requirement to complete the cycles. It is an attractive, quality and flexible option which adapts to personal needs and interests.

**The Intermediate-Level Training Cycles** are Vocational Training studies that aim to provide young men and women with specific training so that they can enter working life.

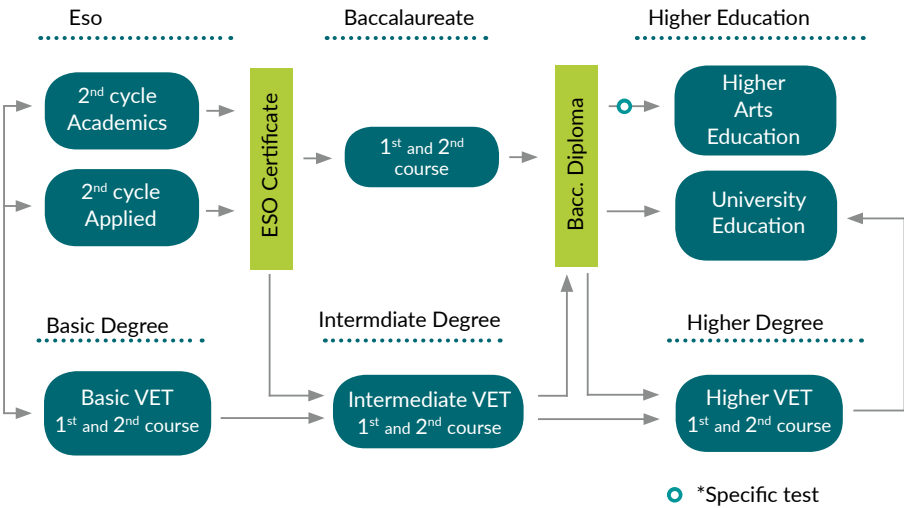
To access it, it is necessary to have completed ESO (Compulsory Secondary Education) or to pass an access test. A level 2 in the National Commission for Vocational Certification of INCUAL (CNCP) and a level 3 in the International Standard Classification of Education (ISCED3) are obtained along with it.

The **Higher-Level Training Cycles** are Vocational Training studies that give students a highly specific qualified training, so that they can enter the world of work. They aim at making students able to coordinate and schedule a specific activity as well as plan team work and make the corresponding verifications and evaluations.

The Higher-Level Training Cycles are aimed at students who are looking for practical higher education. To access these studies it is necessary to have a baccalaureate degree (or equivalent), or to pass an entrance examination or a course in the same specialty. In addition to allowing direct access to university, these studies also allow for the validation of 30 credits. A level 3 in the National Commission for Vocational Certification (CNCP) and a level 5b in the International Standard Classification of Education (ISCED5b) are obtained along with it.

The **Basic Training Cycles** are aimed at students who have not completed ESO and want to continue their studies in the Vocational Training field.

# Itinerarios educativos



## Habilitaciones and professional cards

SPECIALTY	HABILITACIONES AND PROFESSIONAL CARDS
I. L.C. Electrical and Automatic Installations	Professional qualification as a low voltage installer (basic and specialist categories)
I. L.C. Motor Vehicles Electromechanics	Handling of fluorinated gases (thermal comfort of persons in vehicles).
H.L.C. Energy Efficiency and Solar Thermal Energy	Professional card of thermal installation of buildings
	Fluorinated gases (through the professional license): Handling of equipment with refrigerant charging systems of less than 3 kg of fluorinated gases
H.L.C. Electrotechnical and Automated Systems	Professional qualification as a low voltage installer (basic and specialist categories)
H.L.C. Motor Vehicles	Handling of fluorinated gases (thermal comfort of people in vehicles).
H.L.C. Industrial Mechatronics	Conservative of elevators



# CYCLES

## Intermediate Level

In the Intermediate-Level Training Cycles, the degree obtained is that of Technician of the profession corresponding to the cycle studied.

The Training Provision offered at our school is the following:

- I-L.C. Machining
- I-L.C. Welding and Boilermaking
- I-L.C. Electrical and Automatic Installations
- I-L.C. Telecommunications Installations
- I-L.C. Joinery and Furniture Making
- I-L.C. Fitting and Furnishing
- I-L.C. Bodywork
- I-L.C. Motor Vehicles Electromechanics



# I.-L.C. Machining

## The Cycle

The Intermediate Level Training Cycle in Machining lasts 2 years (2.000 hours) and belongs to the professional branch of Mechanic Manufacturing.

By attending this course you will learn how to use tool machines (types of machines used to shape solid pieces, mainly metal) and to carry out their maintenance. You will also learn how to prepare machines and systems, how to programme computer numerical controlled machines (CNC) and robots, verify mechanized products in compliance with specifications on quality.

## Your Profile

To study this cycle you should like to work manually, but you must also be skilful at calculation, be organized, detailed and meticulous, have spatial vision, visual memory and interest in physical and chemical processes.

## Employment

As a machining technician, you will be able to perform your job in companies related to the manufacturing of metal products, building of machinery and mechanical equipment, programming and machining with numerical controlled machines, nautical repairing and construction, manufacturing precision equipment and manufacturing of costume jewellery.

You can also become a toolmaking machine operator, metal polisher and toolmaker, machine operator of metalworking machines, machine operator of machine tools, machine tool operator, robot operator of industrial robots, turning, milling and boring machine operator, etc.



*Un profesional  
da fabricación  
mecánica*



# I.-L.C. Welding and Boilermaking

## The Cycle

The Intermediate-Level Training Cycle in Welding and Boilermaking belongs to the Mechanical Manufacturing professional branch.

You will be able to learn techniques of metal construction and about the materials used. You will learn how to carry out tasks typical of a metallurgy workshop: cutting, forging and joining structures and ferrous or steel materials by means of welding, machining and forming techniques. You will also be able to build templates and supports and to prepare and maintain automatic systems of machines and tools for cutting, machining and forming of sheets, profiles and tubes.

## Your Profile

If you want to study this cycle you must have mechanical skills and abilities, and you must be meticulous and observant.

## Employment

As a technician in Welding and Boilermaking you will be able to work as a welding and cutting technician, thermal spraying operator, sheet metal and boiler maker, assembler of metallic structures, industrial tubing technician for heavy industry and steel carpentry, in the mechanical sector of metal constructions in the area of manufacture, assembly or repair, whether in large, medium or small public or private companies. You will work as pipe assembler, assembler of structural metal products, plotter, repairer of steel structures at workshops and worksites, metal carpenter, welder, boilermaker, etc.



\* This Cycle can be attended both in day or evening classes

# I.-L.C.Electrical and Automatic Installations

## The Cycle

The Intermediate-Level Training Cycle in Electrical and Automatic Installations belongs to the professional branch of Electricity and Electronics.

With these studies you will learn how to analyze plans and diagrams for the assembly and maintenance of low-voltage distribution networks and auxiliary elements, associated equipment and pipelines, as well as electrical and automated installations, photovoltaic solar and telecommunications infrastructures in buildings, and how to install and maintain electrical machines.

## Your Profile

In addition to being a handyman, you should like mathematics and physics, be skilled in calculation and have organized and methodical spatial vision.

## Employment

As a technician in Electrical and Automatic Installations you will be able to work on your own or for a company, as an industrial electrician and building electrical installation electrician; assembler of electrical production centres and electrical appliances; installer of electrical lines, installer of electronic equipment, antennas and telephone equipment; repairer of household appliances; installer of home automation systems; installer of renewable energy systems, or technician in winding of electrical engines.

In addition, you will also be able to become an authorized low voltage installer.

\* This Cycle can be attended both in day or evening classes

*As a technician in Electrical and Automatic Installations you will be able to assemble and maintain low voltage electrical installations, electrical machines and automated systems.*



# I.-L.C. Telecommunications Installations



## The Cycle

The Intermediate-Level Training Cycle in Telecommunications Installations belongs to the professional branch of Electricity and Electronics.

By studying this cycle you will be able to carry out the assembly and/or maintenance of electronic installations and computer and peripheral equipment, configuring and verifying their correct operation. You will also learn how to install and configure basic software, operating systems and applications and how to verify their performance, as regards their quality and security..

## Your Profile

In addition to being a handyman, you should like mathematics and physics, be skilled at calculating, be interested in the world of electricity and electronics and technology, and show adaptability to changes.

## Employment

As an Intermediate-Level Technician in Telecommunications Installations, you will be able to work in the following areas: assembly and maintenance of telecommunication infrastructures, television and electronic security circuits installations, telephone centres and infrastructure of voice and data networks, sound and public address systems, radio communications installations, domotic systems and computer equipment. You will be able to work as a telecommunication installer in residential buildings, as an antenna installer, of security systems, of telephony, as an installer-fitter of telephone and telematic equipment, of home automation systems, as a technician in local and telematic networks, in installation and maintenance of local networks, in sound installations, public address systems, and in assembly and maintenance of systems of public address systems.

\* This Cycle can be attended both in day or evening classes



# I.-L.C. Joinery and Furniture Making

## The Cycle

The Intermediate-Level Training Cycle in Joinery and Furniture Making belongs to the professional branch of Wood, Furniture and Bark and has a duration of 2 years, 2,000 hours.

By studying this cycle you will be able to manufacture carpentry elements and furniture, carrying out the processes of machining, assembly, finishing, storage and dispatch of products.

## Your Profile

If you want to study this cycle you should be skilled at manual work, at representing dimensions and figures, you should have spatial orientation and numerical aptitude. In addition, you should also be interested in the construction of wood products and be creative, observant, responsible, methodical, meticulous and organized.

## Employment

As an Intermediate-Level Technician in Joinery and Furniture Making, you will be able to perform your activity in small, medium and large companies, either on your own or in a company, dedicated to the manufacture and installation of carpentry and furniture elements, as well as to the application of furniture finishing and upholstery products in general. Operator of fixed machines to manufacture wood products, press operator, operator-mounter at bench, assembler-fitter of carpentry elements, lacquer-painter, and responsible for finishing department.

\* This Cycle can be attended both in day or evening classes





# I.-L.C. Fitting and Furnishing

## The Cycle

The Intermediate-Level Cycle in Fitting and Furnishing belongs to the professional branch of Wood, Furniture and Bark.

The general competence of this title consists of installing carpentry elements and wood and furniture structures, carrying out the machining, assembly and adjustment processes.

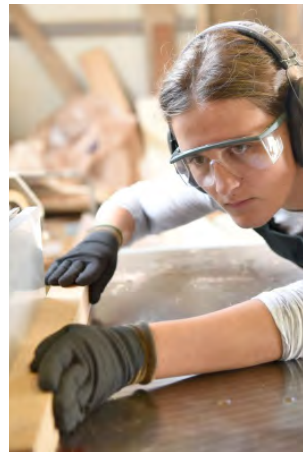
By studying this cycle you will be able to elaborate, machine and assemble furniture pieces; you will also assemble and join carpentry pieces.

## Your Profile

If you want to study this cycle you should have manual skills, be good at representing dimensions and figures, spatial orientation and have numerical aptitude. In addition, you should also be interested in the construction of wood products and be creative, observant, responsible, methodical, meticulous and organized.

## Employment

As an Intermediate-Level technician in Fitting and Furnishing, you will be able to perform your activity in small, medium and large companies, as head of carpentry teams of woodworkers, as carpenter/assembler in site, general carpenter, carpenter of sets, furnishing fitter and joiner, Manufacturer of wood structures and carpentry/joinery pieces for the construction field.





## I.-L.C. Bodywork



### The Cycle

The Intermediate-Cycle in Bodywork is part of the professional branch of Transport and Maintenance of Vehicles.

In this course you will learn what is necessary to dedicate yourself professionally to the Vehicle Bodywork, with projection in the bodywork area within the vehicle construction and maintenance sector. You will be able to carry out repair, assembly of accessories and transformation of the vehicle in the field of bodywork, frame, cabin and equipment. You will also be able to prepare and beautify and paint vehicle bodies.

### Your Profile

If you want to study this cycle it is important that you have manual skills, precision, be organized, detailed and methodical and have interest in the automotive world.

### Employment

As a technician in body shop, you will be able to access the world of work as a body shop repairing technician of vehicles; heavy vehicles; tractors; agricultural machinery of extractive industry, construction and public works and railway equipment; glass fitter and accessories assembler; painter of body shop for automobiles, heavy vehicles, tractors, agricultural machinery, extractive industry, construction and public works and railway equipment.

# I-L.C. Motor Vehicles Electromechanics

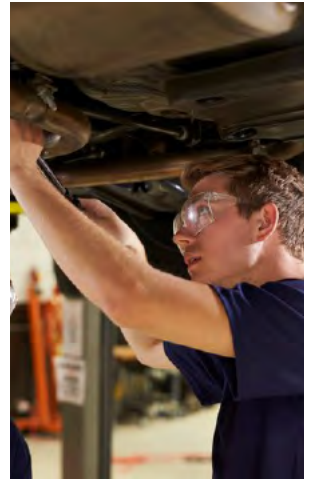
## The Cycle

The Intermediate-Level Cycle in Electromechanics of Automobile Vehicles belongs to the professional branch of Transport and Maintenance of Vehicles and has a duration of 2 years, 2,000 hours.

It provides the necessary knowledge to carry out maintenance operations, assembly of accessories and vehicle transformations in the areas of mechanics, electricity and vehicle electronics.

## Your Profile

If you want to study this cycle you should have manual skills, precision, and interest in the world of electricity, electronics and automotive.



## Employment

As an electromechanical technician you will be able to work as a mechanic, electrician or automobile electromechanical technician. You will also be able to repair pneumatic and hydraulic systems. You can become a repairer of transmission and brake systems, a repairer of steering and suspension systems, installer of vehicle accessories, an operator of companies dedicated to the manufacture of spare parts and motorcycle electromechanics. Seller/distributor of spare parts and diagnostic equipment.

# CYCLES Higher-level

The Higher-Level Training Cycles are aimed at those students who are looking for higher education studies as an alternative to University studies, which can qualify them for entry into the world of work.

At our school, the Training Provision in Higher-Level Cycles is:

- H-L.C. Metallic Constructions
- H-L.C. Mechanical Manufacture Design
- H-L.C. Mechanical Production Scheduling
- H-L.C. Electrotechnical and Automated Systems
- H-L.C. Telecommunications & Computer Systems
- H-L.C. Industrial Automation and Robotics
- H-L.C. Electronic Maintenance
- H-L.C. Motor Vehicles
- H-L.C. Energy Efficiency and Solar Thermal Energy
- H-L.C. Industrial Mechatronics
- H-L.C. Pre-Primary Education



# H.-L.C. Metallic Constructions

## The Cycle

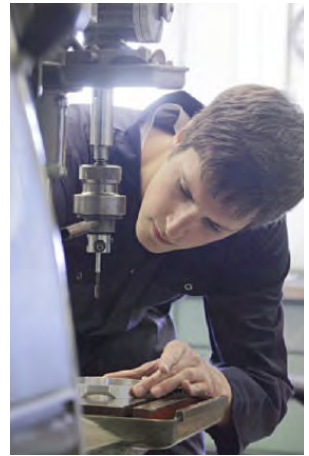
The Higher-Level Cycle in Metal Construction belongs to the professional branch of Mechanical Manufacturing.

With these studies, you will be a professional capable of designing boiler-making products, metal structures and industrial pipe installations, planning, programming and controlling production, taking into account the documentation of the process and the specifications of the products to be manufactured.

You will use software programmes as Autocad, CYPE-CAD and Inventor.

## Your Profile

If you want to study this cycle, you should have spatial orientation, concrete reasoning, precision, perception of differences, fast reflexes, manual ability and numerical aptitude.



## Employment

As a technician in metallic constructions you will be able to work as head of manufacture in metallic constructions, head of assemblers in metallic constructions, draughtsman designer of boilermaking and metallic structures, technician in computer assisted design (CAD) of boilermaking and metallic structures, technical designer of boilermaking and structures, programmer of automated systems in mechanical manufacture, technician in mechanical manufacture, technician in pipe development or head of workshop in metal construction and assembly.



## H.-L.C. Mechanical Manufacture Design

### The Cycle

The Higher-Level Cycle in Mechanical Manufacture Design has a duration of 2 years (2,000 hours) and belongs to the Mechanical Manufacturing professional branch.

By studying this cycle you will be able to design mechanical manufacturing products, sheet metal processing tools, moulds and models for polymers, foundry, forging, stamping or powder metallurgy. You will manage industrial design software programmes (Inventor and Autocad).

### Your Profile

If you want to study this cycle you should have visual acuity, manual ability, spatial and numerical reasoning, orientation. You should also be interested in the manufacturing of machinery, and the hold of a product, a process and/or a service.

### Employment

This labour sector employs a large number of workers, thus, there is an increasing demand for people specialized in mechanical manufacturing, CAD technicians, draughtsmen, die and tooling development technicians. You will be able to work on the development of mechanical manufacturing products, the development of dies, moulds and tools for the mechanical manufacturing process, to establish the automation of the product developed in mechanical manufacturing, and to manage the quality of the product in mechanical manufacturing.





# H.-L.C. Mechanic Production Scheduling

## The Cycle

The Higher-Level Cycle in Mechanic Production Scheduling belongs to the professional branch of Mechanical Manufacturing.

By studying this cycle you will be able to plan, programme and control the manufacture by machining and assembly of equipment, based on process documentation and the specifications of the manufacturing products, assuring the quality of the management and the products, as well as the supervision of risk prevention and environmental protection.

## Your Profile

If you want to study this cycle you must have mechanical skills and manual dexterity, and you must be meticulous and observant. It is important that you have a perception of differences, concrete reasoning, precision and numerical aptitude.

## Employment

As a higher technician in Mechanic Production Scheduling you will be able to work as a mechanic technician. You will be qualified to be in charge of metal processing facilities.

You will be responsible for metalworking machine operators and in charge of assemblers. CNC programmer. Programmer of automated systems in mechanical manufacturing. Production programmer.



\* This Cycle can be attended through classes

## H.-L.C. Electrotechnical and Automated Systems



### The Cycle

The Higher-Level Cycle in Electrotechnical and Automated Systems belongs to the professional branch of Electricity and Electronics.

The main objective of the cycle is to provide students with a basic training based on projects to work, on their own or in a company, in the development, management and supervision of the assembly and maintenance of electrical installations in buildings, domotic systems, telecommunication infrastructures, low voltage electrical networks and automated systems.

### Your Profile

If you want to study this cycle, you should be interested in the world of technology, electricity and electronics; problem-solving capacity, organization, teamwork capacity, autonomy, interpersonal relationship capacity and initiative.

### Employment

Designer of: electric power distribution lines in medium and low voltage and transformer centres; electrification installations in low voltage for homes and buildings; singular installations (antennas, telephony, intercom, public address, security and photovoltaic solar energy) for homes and buildings; automated, "domotic" and technical management installations for homes and buildings. Technician in supervision, verification and control of electrotechnical equipment and installations. In addition, you will be able to get the license as an authorized installer of low voltage.





## H.-L.C. Telecommunications and Computer Systems

### The Cycle

The Higher-Level Cycle in Telecommunication and Computer Systems belongs to the professional branch of Electricity and Electronics.

These studies provide students with the necessary knowledge to develop telecommunication (telephony, radio and TV), computer systems (mono-user, multi-user and telematics) and audiovisual production systems. They also train to coordinate and supervise the execution and maintenance of telecommunication and computer systems.



### Your Profile

If you want to study this cycle you must be interested in technology, electricity and electronics. It is also important that you like mathematics and physics, you should be skilled at calculation. You should also have problem-solving and organizational skills and be responsible. You must also be able to adapt to technological changes.

### Employment

The professional opportunities of this cycle are: technician in definition, analysis and development of telecommunication and computer systems; technician in telephony; technician in local and telematic networks; technician in audiovisual production centers; technician in operation of radio and TV systems; technician in retransmission and linkages; technician in central control of TV systems; technician in single-user and multiuser computer systems.



## H.-L.C. Industrial Automation and Robotics

### The Cycle

The Higher-Level Cycle in Industrial Automation and Robotics belongs to the professional branch of Electricity and Electronics.

This training cycle enables students to develop, equipment and automatic installations of measurement, control and regulation for machines, processes and industrial applications in general, as well as directing and coordinating the execution and maintenance of automatic systems.

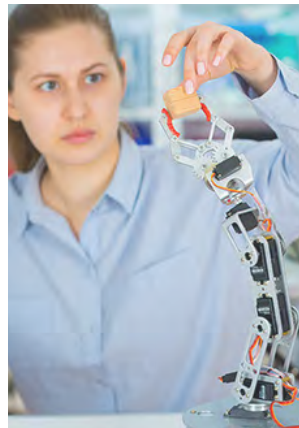
### Your

### Profile

If you want to study this cycle, you must have a great spirit of research that encourages you to look for solutions to problems in your environment. You should be responsible, original, innovative, autonomous of thought, critical and reflexive. You should also be interested in technology, electricity and electronics.

### Employment

The higher technician in Industrial Automation and Robotics works in public and private companies related to automatic industrial systems, in the areas of design, assembly and maintenance of industrial automation systems. He can perform functions such as: technician in definition, analysis and development of projects; electrotechnical designer; automation technician; industrial instrumentalization technician; process control technician; production support technician; industrial electrical technician; industrial electronics technician; industrial maintenance technician; industrial communications computer technician.



## H.-L.C. Electrical Maintenance



### The Cycle

The Higher-Level Cycle in Electronic Maintenance has a duration of 2 years (2,000 hours) and belongs to the professional branch of Electricity and Electronics.

This training cycle enables students to configure electronic circuits, develop maintenance updates, perform or diagnose dysfunctions or malfunctions in equipment or systems, supervise and/or execute preventive, corrective and predictive maintenance processes, carry out the commissioning of electronic equipment and systems, ensuring its operation within the technical parameters.

### Your Profile

If you want to study this cycle you must be interested in technology, electricity and electronics. In addition to having manual skills, you should like mathematics, be skilled at calculation and have a problem-solving, organizational and responsible character.

### Employment

This professional performs his activity in companies in the service sector, both private and public, dedicated to the maintenance and repair of telecommunication equipment and systems, microprocessed systems, broadband networks, telematics and radio communications, as well as industrial and professional audio and video equipment, either on his own or on behalf of others.

Technician in definition, analysis and development of electronic products; electronic designer; technician in electronic prototypes; technical support in electronic production; technician in quality control of electronic products.



## H.-L.C. Motor Vehicles

### The Cycle

The Higher-Level Cycle in Motor Vehicles belongs to the professional branch of Transport and Vehicle Maintenance.

In this cycle you will prepare to maintain and repair both cars and motor-cycles as well as agricultural or public works machinery and heavy vehicles. Repairing does not only mean make it work, it also means supervising that these vehicles comply with the manufacturer's recommendations and taking care of the electrical, mechanical, pneumatic, bodywork and painting works

### Your Profile

Obviously, if you want to study this formative cycle it is because you like vehicles; however, in addition, you must be skilled at: understanding technical concepts, mathematics and physics, you must be a tidy and meticulous person and have good visual and spatial memory.

### Employment

As a Superior Technician in Motor Vehicles, some of the companies where you will be able to work are: automotive repair shops, motorcycles,...; Insurance companies, companies dedicated to technical inspection of vehicles, dealers, manufacturing and assembling companies of bodyworks, laboratories of vehicle testing, companies of equipment sale, of diagnosis and spare parts, renting companies or companies selling any type of self-propelled vehicles.



## H.-L.C.Energy Efficiency and Solar Thermal Energy

### The Cycle

The Higher-Level Cycle in Energy Efficiency and Solar Thermal Energy belongs to the professional branch of Energy and Water and has a duration of 2,000 hours, that is, 2 years.

With this cycle you will learn how to configure and evaluate the efficiency of energy and water installations in buildings, as well as manage their assembly and maintenance. You can also install solar energy, water and heating systems. You will be able to evaluate the efficiency of thermal installations as well as refrigeration and air-conditioning installations. In addition, you will also be able to carry out energy qualification and certification of buildings and prepare reports, technical reports, plans and budgets of solar thermal installation projects.

### Your Profile

If you are interested in studying this cycle you should not only care about the environment and renewable energies, but also have a good base in Physics (especially in the part of thermodynamics), Mathematics and drawing. It will help if you are hardworking and have manual skills.

### Employment

This technician will be able to work both in the public and private sector, whether in audits, companies specialized in inspections, energy certification and/or feasibility studies or in companies dedicated to the promotion, implementation and maintenance of solar energy installations in buildings. He will be able to work as a building energy efficiency technician, responsible for energy certification processes of buildings, responsible for the assembly and maintenance of thermal solar installations, energy manager and promoter of energy efficiency programmes.

\* This Cycle can be attended both in day and evening classes





## H.-L.C. Industrial Mechatronics



### The Cycle

The Higher-Level Cycle in Industrial Mechatronics belongs to the professional branch of Installation and Maintenance.

This training cycle enables you to plan and organize the maintenance plans for machinery and industrial equipment, as well as to coordinate and supervise the execution of maintenance processes and to carry out the installation of machinery and industrial equipment at plants, and also to develop projects for the improvement or modification of machinery

### Your

### Profile

If you want to study this cycle you must have vocation for the mechanical aspects and activities of manipulative precision. You must also be analytical and skilled at symptom analysis, have visual acuity, manual ability, spatial and numerical reasoning, orientation, observation, great attention and coordination capacity, as well as precision.

### Employment

This professional can work in companies where projects are developed, managed and assembled and in those companies where maintenance of mechatronic systems or installation of machinery, industrial equipment and automated lines is done. He/She can also work as: technician in installation and assembly of industrial equipment; technician in organization of maintenance; technician in extractive or metallurgical industries and industries where metallic products are manufactured; technician in industries of the construction of machinery and mechanical equipment and of the construction and assembly of vehicles.

\* This Cycle can only be taken in the DUAL modality (collaboration with Navantia)

## H.-L.C. Pre-primary Education

### The Cycle

The Higher-Level Cycle in Pre-Primary Education belongs to the professional branch of Sociocultural Services to the Community and has a duration of 2,000 hours, that is, 2 years.

The cycle enables the student to plan, intervene and evaluate childcare programmes, specifically for children from 0 to 6 years of age, so that they can develop their autonomy. It also allows you to organize the necessary resources for the programme.

### Your Profile

If you want to study this cycle, you should like dealing with children, you should be interested in their world, their psychological, evolutionary and affective development. You should be interested in human relations. You should have ability to lead small children, fluency and verbal comprehension, you should have social and teamwork skills.

### Employment

This professional works as a child educator and animator of formal and/or non-formal education in different types of centres and institutions. He/She will be able to perform functions and activities of programming and evaluation of educational and childcare processes. Preparation, development and evaluation of activities aimed at developing habits of autonomy and basic needs.





# BASIC VET

*Basic Professional  
Qualification in  
Electricity and  
Electronics*



Its purpose is to ensure that the students acquire a set of knowledge, skills, abilities and attitudes that allow them to perform a job; prepare them for their incorporation into subsequent studies and for their labour insertion and to train them for the exercise of their duties and obligations in life as citizens.

In addition, students and alumni who hold a Basic Professional Qualification may obtain the Certificate in Compulsory Secondary Education, by passing the final evaluation of Compulsory Secondary Education in the conditions established by the Law.



It comprises two academic courses and is organized in two common blocks. Communication and social sciences and applied sciences, and in professional modules that guarantee, at least, the necessary training to obtain a qualification of level 1 of the National Catalogue of Professional Qualifications.

They integrate theoretical-practical contents so that students acquire or complete the competences of lifelong learning.

At this stage, special attention should be paid to personal tutoring of students, as well as to their psycho-pedagogical and professional orientation, promoting the correct oral and written expression, or reading habits and the integration of information and communication technologies in their curriculum.

The organization of this stage and the measures adopted in it are aimed at students to obtain the Certificate as Basic Professional, which has labour and academic effects and will enable them to access Middle-Level Vocational Training.

## **JOBS YOU CAN PERFORM**

- Operator of low voltage electrical installations.
- Assistant assembler of receiver antennas/television satellites.
- Assistant installer and repairer of telephone and telegraphic equipment.
- Assistant installer of equipment and communication systems.
- Assistant installer/repairer for telephone installation.
- Assistant in the electrical energy production and distribution industry.
- Assistant assembler of microcomputer systems.
- Electrical and electronic equipment assembly operator.
- Maintenance assistant of electrical and electronic equipment.
- Assembler of components in printed circuit boards.
- Electrical and electronic plate tester/adjuster.



# OUR School

It is a school open to all without any kind of discrimination where the main objective is to help students along their development, so that they reach the maximum of their personal potential.



## What makes us different?

- Management of scholarships and student aid
- Promotion of student talent
- Personalized orientation and guidance
- European Programmes: ERASMUS+ and Erasmus Charter
- New educational technologies
- Personalized Professional Information and Guidance
- Teaching staff graduated in Engineering
- Innovation projects
- Complementary Training
- Preparation for the business world
- Entrepreneurship Projects
- SME incubator for students

We seek a comprehensive education of our students by encouraging their intelligence, willingness, affectivity, physical, artistic and technical capacity, character and personality. Thus, we make all our resources available to them....

## Job Centre

CIPF FERROLTERRA has a job centre. You can find several job offers, by simply registering yourself.

The purpose of the CIPF Ferrolterra Job Centre is to provide a meeting place for users, candidates and companies in an on-line environment. It allows registered companies to access the database of pre-registered candidates, publish job vacancies and manage the selection of candidates. It allows the candidate to edit and manage his/her Curriculum Vitae, as well as to access published job offers.

The screenshot shows the homepage of the CIPF Ferrolterra Job Centre. At the top, there are logos for XUNTA DE GALICIA, CONSELLERÍA DE CULTURA, EDUCACIÓN E ORDENACIÓN UNIVERSITARIA, CIPF, and Ferrolterra Bolsa de emprego. Below the logos is a navigation bar with links: Inicio, Empresas, Candidatos/as, Condiciones de uso, Ligazóns de interese, and Contacto. The main content area features two large icons: 'Acceso empresas' (represented by a building icon) and 'Acceso Candidatos/as' (represented by two people icons). Below these are four statistics: 39 Empresas (with a building icon), 102 Currículos (with a CV icon), 45 Empleos atados (with a handshake icon), and 1 Solicitudes activas (with a magnifying glass icon). At the bottom, there is a section titled 'Ofertas de emprego por Sector' with four categories: Electricidade e electrónica, Energía e auga (II), Fabricación mecánica (II), and Madeira, mobiliario e corticeo (II).

We guide you in the labyrinth of Orientation and Employment

## Free English Lessons

Our school offers free English lessons to all students, at different times and mainly focused on speaking skills.



## International Programmes

One of CIFP Ferrolterra's continuous improvement goals is the "internationalization" of the school, which improves the employability of our students and their competitiveness in the job search, promotes a higher level of education, and improves their language skills.

Our school is focused on various projects of mobility of traineeship students as well as on hosting students for internships in local companies. We have a wide network of contacts and partners in the EU, experience and seriousness in international projects, as well as a staff fully committed to European projects. The mobility of students and teachers has been increasing year after year with mobility for quality internships, as a result of which many students now work in renowned companies (Mercedes Benz Daimler, Grunewald...) in EU countries.

## Innovation Projects

Our center aims training based on quality and excellence, so we have a responsibility to promote the implementation of innovation projects in their classrooms, to enhance the development and improvement of technological, methodological and training processes and enhance collaboration with business world.

The link between education and innovation is inseparable within Vocational Training. We believe that they can not be independent elements, but complementary, since they improve each other.

Some of our award-winning projects are:



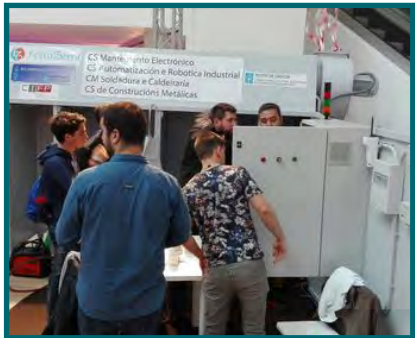
Autonomous travel system for people with reduced mobility control.



Modeling of 3D parts with robot and Siemens control.



Simulator rescue of victims of traffic accidents.



Automation of gas extraction processes in a welding workshop.



CIFP FERROLTERRA

Rúa Ramón y Cajal s/n

15403 Ferrol - A Coruña



981-333107



Correo: [cifp.ferrolterra@edu.xunta.es](mailto:cifp.ferrolterra@edu.xunta.es)



[www.edu.xunta.gal/centros/cifpferrolterra](http://www.edu.xunta.gal/centros/cifpferrolterra)



FerrolterraCIFP



**XUNTA DE GALICIA**  
CONSEJO REGULADOR DA CULTURA, EDUCACIÓN  
E ORDENACIÓN UNIVERSITARIA



**FONDO SOCIAL EUROPEO**  
"O FSE axuda as nos ideas"