

# INTERMEDIATE-LEVEL VOCATIONAL TRAINING

Technician in Microcomputer  
Systems and Networks



# Duration

- Two school years
- 2000 hours
- First year: complete at the secondary school.
- Second year: two terms at the secondary school and a term at a company.

# What am I going to learn and do?

- Installing, configuring and maintaining isolated or networked microcomputer systems, as well as local networks in small settings.
- The holder will be able to:
  - Install and configure basic and application software and wired, wireless or mixed local networks which are connected to public networks.
  - Install, configure and maintain multi-user services, applications and shared devices in a local network environment.
  - Assemble and configure computers and peripherals.
  - Determine the logistics associated with the installation, configuration and maintenance of microcomputer systems.
  - Diagnose dysfunctions in microcomputer systems and networks through functional tests.
  - Rethink the wiring and the electronics of local networks in small environments and their connections to wide area networks.
  - Execute established procedures for data recovery and applications in case of failures and data loss in the system.
  - Elaborate technical and administrative documentation of the system, prepare budgets and advise the customer.
  - This training includes the necessary knowledge to perform the basic level activities for occupational risk prevention.

# Training Plan

- The professional modules of this vocational training are:
  - **First year:**
    - Computer assembly and maintenance.
    - Single-user operating systems.
    - Office automation applications.
    - Local networks.
    - Training and career counseling.



# Training Plan

- **Second year:**
  - Network operating systems.
  - IT security.
  - Network services.
  - Web applications.
  - Business and entrepreneurship.
  - Workplace training

# What can I do when I finish my training?

## 1. WORK

- In service sector companies devoted to trading, assembling and repairing computers, networks and microcomputer systems in general, as a part of computer support to organization, or in companies of any size and productive sector using microcomputer systems and data networks for their management.

## 2. CONTINUE STUDYING

- Professional specialization courses.
- Another Professional Training Programme with the possibility of establishing validations of professional modules according to the current regulations.
- The A-levels (bachillerato) in any of its modalities.
- Preparation for the university entrance exams (only for the core subjects)

# What are the career opportunities?

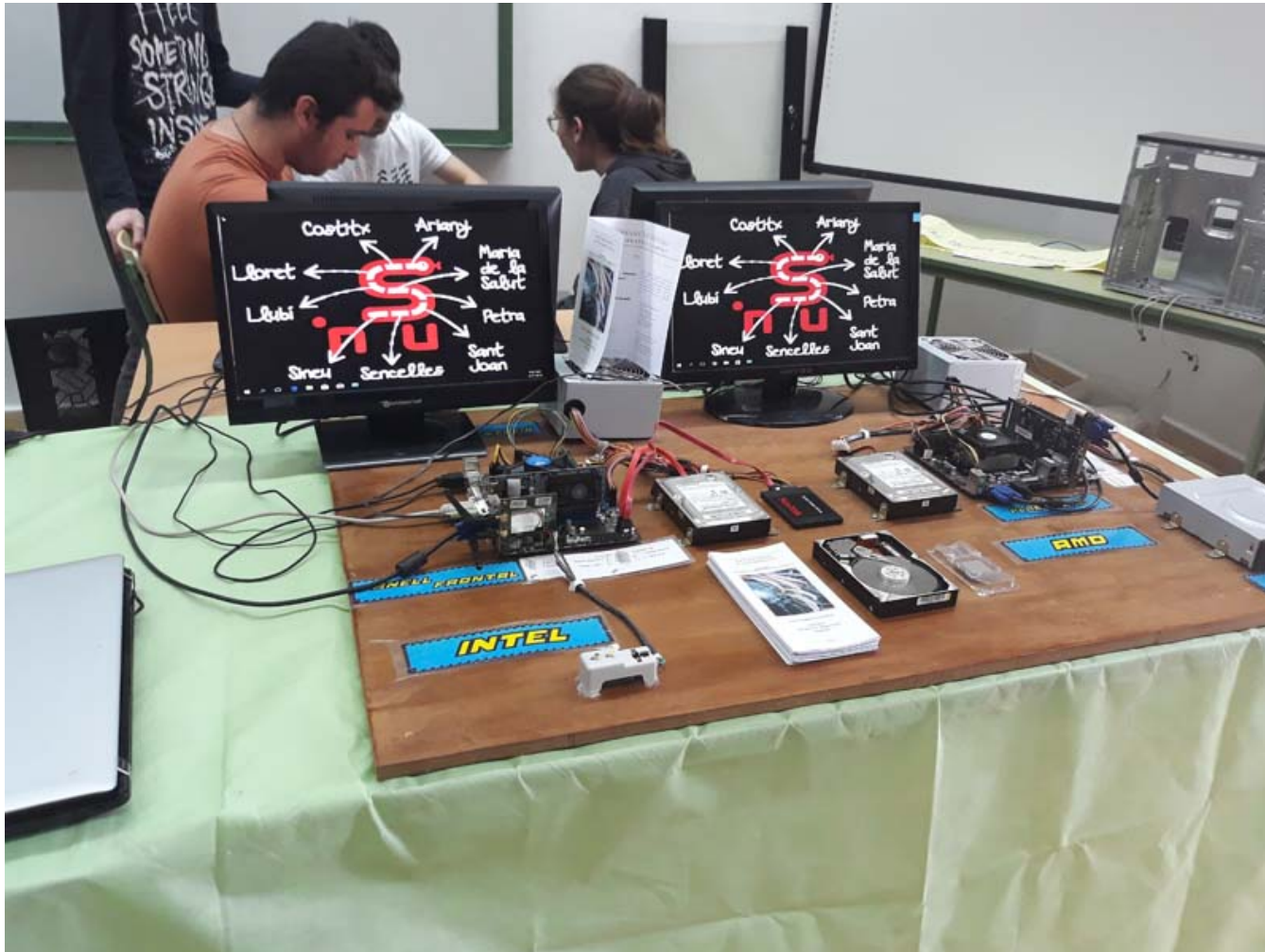
- Technician in computer system installation-repair.
- Computer systems technician.
- Data network technician.
- Repairer of microcomputer systems peripherals.
- Microcomputer sales representative.
- Teleassistance operator.
- Systems operator.

# What am I going to do in on the job training?

1. Identify the company's structure and organization, relating it to the production and marketing of the products and services offered.
2. Apply labour and ethic habits in his/her professional activity according to the characteristics of the job position and the procedures established by the company.
3. Assemble computer systems following the processes of the established quality system.
4. Participate in breakdown diagnoses and repair applying corrective maintenance techniques.
5. Install operating systems and applications following the work plan and customer's needs..
6. Participate in the installation, implementation and maintenance of installations with local network services and Internet, documenting the intervention.
7. Help users, solving problems related to the operation of applications, in accordance with the company's regulations.
8. Participate in the tasks of installation, implementation and maintenance of systems that manage contents, e-learning and files, among others, following the established work plan.



# Workshop Practice



# Workshop Practice





# Workshop Practice



# Workshop Practice



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