



Cofinanziato  
dall'Unione europea



Regione Emilia-Romagna

The project is implemented with the support of European funds from the Emilia-Romagna Region

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IFTS

**TECHNICIAN FOR INSTALLATION,  
MAINTENANCE, AND TECHNICAL ASSISTANCE  
OF THERAPEUTIC HEALTH SYSTEMS**

OPERAZIONE RIF. PA 2024-22103/RER APPROVATA  
CON DELIBERA DI GIUNTA REGIONALE N. DGR  
1746/2024 DEL 26/08/2024 E COFINANZIATA CON  
RISORSE DEL FONDO SOCIALE EUROPEO PLUS



FONDAZIONE  
ALDINI  
VALERIANI  
INDUSTRIAL  
MANAGEMENT  
SCHOOL

Careereducation

**ZENIT**  
FORMAZIONE

## PROFESSIONAL PROFILE

The technician, through training in ENGLISH, will be capable of managing the processes of installation, maintenance, repair, and testing of diagnostic and radiodiagnostic equipment within production or healthcare companies, while operating in compliance with safety regulations and adapting all activities accordingly. They will be responsible for verifying and ensuring the compliance of devices, using techniques to enhance and innovate biomedical equipment, adopting a multidisciplinary approach such as HTA (Health Technology Assessment). All activities will be conducted in line with Quality standards, compliance regulations, and various healthcare protocols. The technician will also be able to engage in the production process to identify process or product solutions.

## COURSE CONTENTS

The course includes: Technical English; Effective written and public communication; Principles of marketing and sales in the biomedical sector; Biomedical and green transitions. Digital skills: data analysis and processing for the biomedical sector; Teamwork and project management tools. Biomedical district: understanding company systems and the biomedical sector; Tools for entrepreneurship and internationalization; Principles of market access for medical devices (MD); Workplace safety, privacy, and cybersecurity; Techniques for installation/maintenance of MD; Digital solutions for installation and maintenance; Electrical testing of devices and compliance; Update and enhancement of equipment; Production management and Lean Manufacturing; Life Cycle Management; Usability and human factors engineering; Process validation techniques and FMEA (Failure Mode and Effects Analysis).

## TARGET AUDIENCE AND ENTRY REQUIREMENTS

**Formal requirements:** Young people and adults, residing or domiciled in Emilia Romagna, whether employed or unemployed, holding a secondary education diploma. Access is also granted to individuals who are in their to the fifth year of high school. Additionally, non-graduates may also apply, following an assessment of competencies acquired through previous educational, training, or work experiences.

**Substantial entry requirements:** Proficiency in English language at a B2 level, familiarity with digital technologies and telecommunication tools, and logical-mathematical skills. Preference will be given to applicants holding one of the following diplomas: Technical diploma in Chemistry, Materials and Biotechnology, Electronics, Mechanical, or a Scientific High School diploma.

## CERTIFICATE

Upon successful completion of the program and passing the final exam, a Higher Technical Specialization Certificate (IFTS) in "**Techniques for Maintenance, Repair, and Testing of Diagnostic Equipment**" will be awarded.

## DELIVERY METHOD

**Participants:** 20

**Duration:** 800 hours, including 300 hours of internship

**Period:** March 2025 - March 2026

**Location:** Fondazione Aldini Valeriani, Via Bellinzona 27/A – 41124, Modena

## SELECTION PROCESS

The selection process includes:

- **Test** on basic elements of mechanics and electronics.
- **Individual Interview:** the interview will be conducted through a structured assessment including the following evaluation criteria: educational/work experience background, decision-making process behind the choice of this training program, candidate's reliability, understanding of the professional profile, coherence between the study path, attitudes, motivations, expectations, professional project, quality of verbal communication, interpersonal skills, and motivation for attending the course. The selection process is open to all candidates who meet the formal and substantial requirements.

## APPLICATION DEADLINE: 21 /02/2025

The application form, downloadable from our website, must be sent along with the required documents to: [simona.fontana@fav.it](mailto:simona.fontana@fav.it) or delivered to Fondazione Aldini Valeriani - Via Bellinzona 27/A – 41124, Modena.

Infoline: 059.247902.

[www.fav.it/careereducation/corso/ifts-tecnico-per-installazione-manutenzione-e-assistenza-tecnica-di-sistemi-terapeutici-per-la-salute/](http://www.fav.it/careereducation/corso/ifts-tecnico-per-installazione-manutenzione-e-assistenza-tecnica-di-sistemi-terapeutici-per-la-salute/)

**What are IFTS courses?** - IFTS courses (Higher Technical Education and Training), with a one-year duration, are offered by Accredited Training Bodies in partnership with an educational institution, a university, and one or more companies. Approved by the Emilia-Romagna Region and co-financed by the European Social Fund, they are part of the Technical Hubs, which highlight and enhance the strengths of the different areas of Emilia Romagna. These hubs provide young people and adults—whether employed, unemployed, or out of the workforce—with a stable and comprehensive network of advanced, specialized, and higher training to acquire the technical and scientific skills demanded by the regional labor market, which are essential for the development and competitiveness of the economic system. <https://formazione.lavoro.regione.emilia-romagna.it/rete-politecnica/approfondimenti/istruzione-e-formazione-tecnica-superiore-ifts>

# FUTURE LOADING

[www.fav.it/careereducation](http://www.fav.it/careereducation)