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# ITS course

TECHNICIAN FOR HIGHER ENERGY SUPPLY  
AND THE CONSTRUCTION OF PLANTS

ITS - OFFICE OF RAVENNA

RIF. P.A. 2011-1619/RER PROG. 1 ED. 1



## What is an ITS course?

The Technical High Schools Foundations are made up of schools, universities, training centers Professional, Enterprise and local authorities to give life to a real integration between Education, Training and

Jobs. They propose a post-secondary educational offer high-level parallel pathways to university.

The course, planned and financed by the Emilia-Romagna and the Ministry of Education, University and Research, will allow a group of graduates to become "Superior Technical" in a field which is still very largely developed, but they already are clearly the great potential for growth.

## SUPERIOR TECHNICIAN FOR ENERGY SUPPLY AND THE CONSTRUCTION OF PLANTS

The superior technical work in the analysis and management systems for the production, processing and energy distribution playing the role of Energy Manager for civil and industrial buildings. Involved in different types of plant by applying the appropriate procedures in cases of abnormal process, program and manages the operation and maintenance of facilities and assess the reliability, running instrumental testing and operation, particularly with regard to efficiency and energy savings. Analyzes the energy performance of buildings and making the assessment. In the realization of all the his professional activities, monitor the implementation of community, national and regional legislation and technical regulations.

## Addressees and admission requirements

The maximum number of admitted students is 25 students Candidates must possess:

- Diploma of higher secondary education
- Skills in the use of English and computer science at the correct level to allow successful participation in training activities.

The selection of candidates was made based on qualifications and examinations.



## Technical skills at the conclusion of the course

Who will have successfully completed at the end of the course will be able to:

- identify the energy needs of the client;
- identify solutions to resolve the critical situation;
- apply the energy legislation and carry out the procedures for access to finance;
- establish the feasibility of an intervention through instruments of economic analysis
- monitor and process information on energy performance of equipment and / or production facilities;
- assess the environmental impact of energy systems;
- choose and apply innovative technologies in energy, plant and materials used
- apply the regulations on safety, quality and environment
- assess with the customer the cost / benefit balance of the choices made
- use dedicated software for the design, maintenance, management of energy systems



These technical specifications are added other, more general, linguistic, communicative and relational, legal and economic, organizational and managerial.

## Learning Path

It's expected to strengthen language in English, with particular reference to the technical language of sector.

Learning activities are conducted in the classroom and laboratories equipped.

Over 30% of the scheduled hours from the path intended for internships or work experience in undertakings of the company area that already are giving availability.

Completing the course seminars, testimonials from industry leaders and visits to fairs, events, businesses and facilities of particular interest.

## Location of development

The course takes place primarily at the headquarters of Ravenna at the ITI Baldini, (Via Marconi, 2) part of However, activities may occasionally be held in facilities of teaching or scientific interest situated elsewhere. The internships and work experience will take place in companies located anywhere in the territory regional / national level.

## Period of realization

The training course was launched January 30, 2012 and ends July 31, 2013, for a period total of 1800 hours including 700 internships even abroad.

## Evaluation

Tests are scheduled during the course of verification of skills acquired. The result of the tests is provided for the continuation of the course.

A final verification, in accordance with ministerial regulations, the path ends.

At the final verification test will be admitted, students must have attended the course for at least 80%

total hours of paid and that have been evaluated positively by teachers in all tests

intermediates and by management, as in training activities.

