

# ENERGY ENGINEERING - BACHELOR



## Type of training

- formal initial training (full time) (EQF <= 4)
- formal initial training (dual system / apprenticeship)
- Higher education and training (EQF >= 5 – 8)
- formal continuing education
- informal learning / training on the job

## Training duration

Years: 3

## Level of education required

- Secondary school/ Vocational qualification
- High school diploma
- Degree

## Main content of the program (4-5 lines)

The Bachelor Program in Energy Engineering is characterized by a strong interdisciplinarity with the other sectors of the Industrial Engineering, in the framework of which it falls. The objective is then to provide a robust basic knowledge in thermodynamics, power plants and electric machines, material technology, structural mechanics, heat transfer and fluid dynamics. On that know-how, specific skills are fostered on Energy topics, and namely on the main types of industrial and civil energy plants, on the renewable energy sources, on computational heat transfer, on building physics and on a basic knowledge of nuclear technologies.

## Targeted public

Recent Graduates, Graduates

## Pedagogical methods

- workshops
- conferences
- placement
- practical exercises
- distance learning

## Evaluation process

- diploma BACHELOR DEGREE
- certification
- attendance confirmation
- no evaluation

## Further services/activities foreseen:

Practical laboratories	<input checked="" type="checkbox"/>	Validation of acquired experience (VAE)	<input checked="" type="checkbox"/>
Training internships	<input checked="" type="checkbox"/>	Other (spec. _____)	<input type="checkbox"/>
Job placement services	<input checked="" type="checkbox"/>	Other (spec. _____)	<input type="checkbox"/>

## Organization

Polytechnic of Turin

Type of organisation delivering the training course:

- University
- High school
- VET organization

## Location

Turin, ITALY <https://www.polito.it/?lang=en>

