DIPLOMA IN MECHANICS,MECHATRONICS AND ENERGY

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: **5**

Level of education required

☒ Secondary school/ Vocational qualification
☐ High school diploma
☐ Degree

Main content of the program (4-5 lines)

The training path is aimed at developping specific technical skills to intervene on machinery and devices used in the manufacturing, agricultural, transport and service industries. The training provides specific knowledges on materials (in their choice, in their treatments and processes).
In the energy address, the specific issues related to the energy transition applied to industrial processes and the related technical systems for safety and environmental protection are examined in detail.
At the end of the course the trainee is able to: a) design, build and test devices and machinery; b) install, mantain and repair simple industrial plants; c) intervene, according with the specificity of a productive process, in the energy management finalised to optimize the use of energy making it more environmentally sustainable.

Targeted public

Young students after the secondary school

Pedagogical methods

☒ workshops ☒ conferences ☐ placement ☒ practical exercises ☐ distance learning

Evaluation process

☒ diploma ☐ certification ☐ attendance confirmation ☐ no evaluation

Further services/activities foreseen:

Practical laboratories	☒	Validation of acquired experience (VAE)	☐
Training internships	☒	Other (spec._____)	☐
Job placement services	☐	Other (spec._____)	☐

Organization Type of organisation delivering the training course:

☐ University
☒ High school
☐ VET organization
☐ Other (specify……)

Location 30 institutes throughout the Region.

Province of Turin

City of Turin:

Ist. Tecn. Avogadro
Ist. Tecn. Grassi

Ist. Tecn. Agnelli
Ist. Tecn. Internazionale
Ist. Tecn. Galilei-Ferrari

Metropolitan area:

Ist. Tecn. Maxwell (Nichelino)
Ist. Tecn. Pininfarina (Moncalieri)
Ist. Tecn. Natta (Rivoli)
Ist. Tecn. Ferrari (Susa)
Ist. Tecn. Porro (Pinerolo)
Ist. Tecn. Europa unita (Chivasso)
Ist. Tecn. Moro (Rivarolo Canavese)
Ist. Tecn. Olivetti (Ivrea)

Province of Alessandria

Ist. Tecn. Sobrero (Casale Monferrato)
Ist. Tecn. Volta (Alessandria)
Ist. Tecn. Carlo Barletti (Ovada)
Ist. Prof. Ciampini-Boccardo (Novi Ligure)
Ist. Tecn Marconi (Tortona)

Province of Asti

Ist. Tecn. Artom (Asti)

Province of Biella

Ist. Tecn. Q. Sella (Biella)

Province of Cuneo

Ist. Tecn. Arimondi-Eula (Racconigi)
Ist. Tecn. Cigna-Baruffi-Garelli (Mondovì)
Ist. Tecn. Vallauri (Fossano)
Ist. Tecn. Delpozzo (Cuneo)

Province of Novara

Ist. Tecn. Leonardo da Vinci (Borgomanero)
Ist. Tecn. Omar (Novara and Oleggio)

Province of Verbano-Cusio-Ossola

Ist. Tecn. Cobianchi (Verbania)

Province of Vercelli

Ist. Tecn. Lombardi (Vercelli)
Ist. Tecn. Avogadro (Santhià)
Ist. Tecn. Lancia (Borgosesia)