

# Faculty :THERMAL ENGINEERING



**Acronym:** FROCLI

**Option:** COLD AND AIR CONDITIONING

**Level:** BTS

**Prerequisites:** Scientific series or equivalent level

**Opportunities:**

- Framing agent in refrigeration and air conditioning;
- Maintenance technician in climatic operation;

**Description:**

The training of senior refrigeration and air conditioning technicians leads to the mastery of the multiple applications of refrigeration, from the conservation of food products to the

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transformation and production processes of products: metallurgical, textiles, plastics, health industries, comfort in large complexes. The Senior Technician is focused on the cold chain and air treatment (commercial, industrial refrigeration and air conditioning). He participates in the implementation of technical solutions taking into account the environment and the importance of energy savings.

## **SOUGHT-AFTER SKILLS**

### **Generic skills**

- Work independently, collaborate as a team;
- Analyze, synthesize a professional document (French, English);
- Communicate orally, in writing, in business or outside (French, English);
- Participate in / Lead a project management process;
- Know and use the professional and institutional networks of the Thermal sectors.

### **specific skills**

- Carry out the installation, commissioning and maintenance of refrigeration installations (commercial refrigeration, industrial refrigeration, etc.) or air conditioning and air conditioning equipment in accordance with safety rules and regulations;
- Master the technologies related to air conditioning, refrigeration and electrical installations;
- Know the materials and materials used;
- Read and interpret blueprints, electrical diagrams and instruction sheets;
- Respect quality, safety and environment standards;
- To be able to reason methodically and to detect an abnormal situation;
- Design cold or air conditioning installations; establish quotes;
- Identify phases of intervention;

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- Install equipment and materials in accordance with the technical file;
  - Commission facilities and train users;
  - Maintain facilities in good working order;
  - Check the conformity of the equipment installed;
  - Carry out repair operations (including on heating installations).