

## Projects

### Course Energy and its various forms

#### IDENTIFICATION

CODE : PC-S4-P2i4-TF  
ECTS : 10.0

#### HOURS

Lectures : 42.0 h  
Seminars : 36.0 h  
Laboratory : 12.0 h  
Project : 90.0 h  
Teacher-student  
contact : 180.0 h  
Personal work : 90.0 h  
Total : 270.0 h

#### ASSESSMENT METHOD

#### TEACHING AIDS

#### TEACHING LANGUAGE

French

#### CONTACT

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#### AIMS

This program of education introduces students to the problem of energy conversion, of any types, and to the environmental impact of this conversion.

This education includes learning to analyze the operating principle and the efficiency of an energy technology (cogeneration, heat pump, thermal or photovoltaic solar energy, fuel cell, nuclear power plant), and to understand the mechanisms (cultural, sociological, economic, technological) which make it become dominant or on the contrary remain marginal. During this program of education, the students will also design and realize a particular energy system.