

Hardware Computing μ controllers



ECTS
4 crédits



Hourly volume

Introducing

Objectives

At the end of this module, the student will have understood

and be able to explain (main concepts):

- o Programming specificities of the peripheral units for microcontroller.
- o How to take into account hardware constraints for the design of embedded system.

The student will be able to:

- o To select an architecture processor adapted to the software application and to the process configuration.
- o To conceive and test the techniques of the programming by hardware interruption.
- o To use debug tools and test in the context of crossdevelopment.
- o To find information into datasheet.

Practical info

Location(s)

 Toulouse

Necessary prerequisites

I2MAIF11 : Informatique matérielle Electronique numérique

I3MAIF22 : Langage dassemblag