

### Human and Social Sciences

#### Professional project definition 2

##### IDENTIFICATION

CODE : TC-4-S1-EC-PPP  
ECTS : 1.0

##### HOURS

Lectures : 2.0 h  
Seminars : 8.0 h  
Laboratory : 0.0 h  
Project : 0.0 h  
Teacher-student  
contact : 10.0 h  
Personal work : 10.0 h  
Total : 20.0 h

##### ASSESSMENT METHOD

no evaluation

##### TEACHING AIDS

##### TEACHING LANGUAGE

French

##### CONTACT

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##### AIMS

This EC is part of the teaching unit Humanities 3 (TC-4-S1-HUMA) and contributes to the following skills:

B6 Situate, work, evolve in a company, a socio-productive organization  
Capacity: Write a resume  
Capacity: Use different tools and techniques to search for an internship or a job related to his professional project  
Knowledge: Knowledge of IT sector and trades

B1 To know oneself, to manage oneself physically and mentally

TC-5-OP2-SCP \*\*\*\*\*

This EC is part of the teaching unit 5TC Options (TC-5-OPT) and contributes to the following skills:

A4 Design a system that meets a set of specifications  
Capacity: Knowing how to handle the IoT-lab platform  
Capacity: Programming communicating sensors  
Capacity: Collect sensor data and network usage  
Capacity: Analyze the characteristics of a radio network  
Knowledge: Issues of Smart Cities and the Internet of Things  
Knowledge: Deployments of network architectures, including sensors, in the urban space  
Knowledge: Different families of topologies and network protocols used  
Knowledge: An overview of major players and use cases in the market or in the future

C2 Specify, design and model communication networks and protocols

In addition, it requires the following skills:

A1 Analyze a real or virtual system (or problem)  
C6 Implement, implement, develop, deploy networks and protocols  
B3 Interact with others, work in a team

##### PRE-REQUISITE

None - this courses is not recommended for exchange students