

Informatique

Algorithmics

AIMS

This EC is part of the teaching unit Theoretical tools [TC-3-S1-OTE] and contributes to the following skills:

A4 Design a system that meets a set of specifications
A6 Communicate an analysis or a scientific approach with scenarios adapted to their specialty
C3 Specify, design and model algorithms and computer programs
A2 Exploit a model of a real or virtual system
Knowledge: Concepts of algorithmic: definition, writing, proof, complexity in time and memory
Knowledge: Fundamental algorithms: sorting, file / list, tree path, graphs

In addition, it requires the following skills:

B2 Work, learn, evolve autonomously

PRE-REQUISITE

none

IDENTIFICATION

CODE : TC-3-S1-EC-ALG
ECTS : 2.0

HOURS

Lectures : 18.0 h
Seminars : 14.0 h
Laboratory : 0.0 h
Project : 0.0 h
Teacher-student
contact : 32.0 h
Personal work : 0.0 h
Total : 32.0 h

ASSESSMENT METHOD

TEACHING AIDS

TEACHING LANGUAGE

French

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