Theoretical Computer Science

In brief

Course langage: French

Presentation

Learning objectives

To have an overview of the theoretical aspects of Computer Science.

Description of the programme

Language theory (regular languages, algebraic languages, decidable languages, recognizable languages)
Turing machines, finite automata, stack automata, bounded automata, computability.

Complexity theory (time complexity, space complexity, probabilistic complexity classes, Kolmogorov complexity)

Generic central skills and knowledge targeted in the discipline

Curiosity & reflection.

How knowledge is tested

Final examination

Teaching team

* Pascal Préa

Theoretical Computer Science

Sustainable Development Goal

Gender equality

Life below water

Total des heures		**24h**
CM	Master class	20h
TD	Directed work	4h

Useful info

Name responsible for EU

Lead Instructor
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