

## Digital culture and skills 1

# Introducing

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## Description

Introductory course to AI: history, algorithms, issues.  
"No code" discovery of neural networks on Vittascience;  
notebook for building a small character recognition  
network.

Presentation of PIX and study of a certain number of  
themes independently with the objective of passing the  
PIX certification at the end of the 3rd year.

## Objectives

At the end of this module, the student will have  
discovered the first dimensions of the field of AI:  
history, examples of what AI allows, distinction between  
supervised and unsupervised learning, rapid scope of  
techniques and algorithms, ethical aspects, risks and  
controversies. In a second part, the student will have  
advanced his PIX course according to the defined  
program.

## Necessary prerequisites

Basics of Python Programming

## Évaluation

L'évaluation des acquis d'apprentissage est réalisée en  
continu tout le long du semestre. En fonction des  
enseignements, elle peut prendre différentes formes :  
examen écrit, oral, compte-rendu, rapport écrit,  
évaluation par les pairs...

## Practical info

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### Location(s)

 Toulouse