

COURSES DESCRIPTIONS

VIBOT programme in Vision and Robotics



Master in Computer Vision

Edition 2020-2022

Master de Sciences, Technologies, Santé, mention Traitement du signal et des images

FIRST YEAR

Semester 1 (30 ECTS)

- > Digital Signal Processing
- > Introduction to Image Processing
- > Sensors and Digitization
- > Software Engineering
- > Applied Mathematics
- > Local Culture

Semester 2 (30 ECTS)

- > Probabilistics Robotics
- > Autonomous Robots
- > Scene Segmentation and Interpretation
- > Visual Perception
- > Medical Image Analysis
- > Local Culture

SECOND YEAR

Semester 3 (30 ECTS)

- > Advanced Image Analysis
- > Multi-Sensor Fusion and Tracking
- > Real Time Imaging and Tracking
- > Robotics Project
- > Local Culture

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Semester 4 (30 ECTS)

- > Research Training period or vocational training period taken in industry or at any of the partners' institutes.