MASTER'S DEGREE PROGRAMME // M2

MECHANICAL ENGINEERING

Biomechanics

How to apply?

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enise.fr/en
MASTER IN MECHANICAL ENGINEERING

Biomechanics

Description

The biomechanics track in the Mechanics specialization combines engineering and life sciences.

Objectives

This specialization provides an in-depth scientific grounding in the analysis and modeling of living tissues. The courses have a wide range of applications: biomaterials and their involvement in human repair, diagnostics of living tissue integrity, aging of human tissues and sensory systems, sensory cells and neuroscience, perceptual engineering, metrology of perception and emotions, application to design, diagnostic methods for the decline in perceptual acuity in certain neurodegenerative pathologies.

2 semesters taught in French, including 4 months of internship in co-accreditation with École Centrale de Lyon and Université de Lyon 1

COMMON COURSES*
12 ECTS

SPECIALIZATION COURSES*
12 ECTS

OPENING COURSES*
6 ECTS

COMPLEMENTARY COURSES*
9 ECTS

INTERNSHIP*
21 ECTS

* All the courses are taught exclusively in French