

University and Engineering Schools of Marseille (France)

Master Mechanics, Physics & Engineering

master-mecaphys.univ-mrs.fr

Doctoral School 'Engineering Science: Mechanics, Physics, Micro- and Nanoelectronics' (ed353.univ-mrs.fr)

Academic programme for and through research, supported by affiliated CNRS laboratories (IRPHE, IUSTI, LMA, M2P2, ...), and professional training.

Openings: careers in research and academia (following a PhD programme), engineering and R&D (energy, transport, aeronautics and astronautics, pollution and environment, security, scientific computing, ...)

Year 1 offers two tracks: **Research & development (R&D)** and **Engineering & design (E&D)**

1st Semester (M1)

- Track **R&D**: Basic courses in mechanics and physics, condensed matter, analytical, experimental and numerical methods
- Track **E&D**: Basic courses in solid mechanics and mechanical systems, thermal science, industrial design

2nd Semester (M1)

- Track **R&D**: Specialised courses in fluid mechanics, dynamical systems, reactive systems, materials, structures, acoustics, numerical and experimental methods
- Track **E&D**: Specialised courses in robotics, CAD, materials, industrial fluid flows
- Language classes, laboratory or industry internship for both tracks

3rd Semester (M2)

Seven Specialities with 'Research' (R) and/or 'Professional' (P) orientation, including a variety of tracks:

- Fluid mechanics and non-linear physics (R) available in English
- Two-phase flows, energetics and combustion (R)
- Acoustics (R)
- Aeronautics and space (R & P)
- Advanced materials and structures (R & P)
- Fluids, environment and risks (R & P)
- Engineering and design of industrial projects (P)
- Fire systems engineering (R & P)

4th Semester (M2)

Laboratory or industry internship, drafting of a report and defence.

Admission

- To 1st year (M1): candidates must hold a "Licence" or equivalent degree
- To 2nd year (M2): following examination of application files, for students having validated a Master 1, or holding an engineering diploma or equivalent degree

Information and applications

On the web site of the master programme, or by contacting the Master secretariat: **Maria-Cirila Munoz** (+33 4 9111 3809, maria-cirila.MUNOZ@univ-amu.fr)
UNIMECA, 60 rue Frédéric Joliot-Curie, 13453 Marseille Cedex 13, France – Fax: +33 4 9111 3838