Master of Science in Engineering "Diplôme d'Ingénieur"

Take advantage of the best knowledge and know-how for your future professional life.

Enrich your profile starting in second year through a choice of areas of scientific and technical know-how.

After the first year of the programme's common core, the 2nd and 3rd years are an opportunity to put into practice your high-level learning, reinforcing your knowledge and know-how by in-depth study themes (TAFs = thématiques d'approfondissement).

In second and third year, you will build your own professional project, strengthening your skills and opening up to various sectors of activity.

By taking advantage of the support of top teaching teams, you will study two in-depth themes (TAFs) that meet the challenges of tomorrow's world.

In the second year, you choose a first TAF that fits into your professional plan, developed during your first year of studies.

While all students continue working on engineering projects in second year, this in-depth study theme allows you to also focus on subjects that will contribute to building your engineering profile. Then in third year, depending on to your aspirations, you choose to follow another TAF. This can either be in a
related field, to complement your second-year TAF, or it can be the opportunity to deepen the TAF studied in second year.

The wide choice of in-depth study themes allows you to develop high-level scientific and technical know-how in the following fields:

- in the "healthcare engineering" field, for example, you can take advantage of assisted surgery technologies, medical imaging, diagnostic assistance or even tattooing of medical data
- the "energy, nuclear and environmental engineering" field refines your knowledge in process engineering, energy systems, eco-design, nuclear physics, radiochemistry, neutronics or safety.
- the "computer science and networks" domain allows you to develop your skills in big data, applied mathematics, software engineering, cybersecurity, artificial intelligence or cloud computing
- the "industrial engineering and organizations" field reinforces your knowledge of industrial performance, digital business models, production management, logistics optimization and digital transformation management.
- the "electrical engineering/robotics, electronics, automation, telecommunication and embedded systems" area opens the doors of the virtual word, human-machine interaction, communication systems, connected objects, space and maritime surveillance, etc.

The teaching of in-depth study themes, with a minimum of 280 hours per year, is the real guarantee of solid expertise and the key to a wide choice of engineering professions, both in France and internationally, in multiple fields.

If research and innovation are part of your aspirations, IMT Atlantique professors welcome you to join their research labs.