Notre offre de formation évolue ! Les programmes pour l'année 2027-2028 sont en cours de mise à jour et peuvent encore évoluer. Les programmes de l'année universitaire 2026-2027 restent consultables en cas de besoin.

SCIENCES, TECHNOLOGIES, SANTÉ, INGÉNIERIE

Master's Degree in Engineering Grenoble INP - Phelma, Advanced materials for innovation and sustainability (AMIS)

Niveau d'étude visé
Bac +5

Durée
2 ans

Composante
Grenoble INP - Phelma (Physique, électronique et matériaux), UGA

Langue(s) d'enseignement
Anglais

Présentation

AMIS, the Master's Program in Advanced Materials for Innovation and Sustainability tackles the following themes - all of which are central themes of the EIT Raw Materials:

- Substitution of critical or toxic materials in products and for optimized performance
- Material chain optimization for end-of-life products
- Product and services design for the circular economy

The primary focus of the adaptation is on metal and mineral raw materials. Bio-base and polymer materials are covered in view of their substitution potential and other materials in the context of multi-material product recycling.
In addition, the AMIS Program includes a solid package of courses and project work in innovation and entrepreneurship.

Students' mobility is an integrated part of the two-year program, during which they will study at two of the consortium partner universities. Upon completion of the program, students will receive a double degree.

Objectives

To gain transferable skills such as entrepreneurship, negotiation techniques, intellectual property, problem solving, working cooperatively and creatively, co-design and life cycle approaches which will enable students to consolidate a professional career.

To become an expert in the field of raw materials, particularly in sustainable functional materials and alongside get a holistic view on value and process chain.

To take part in a mobility program and take advantage of the complementary skills of the universities in the network.

To become a change agent with an entrepreneurship mindset able to safeguard the sustainability of EIT Raw Materials throughout the industrial and research landscape.

To enter a PhD program in Europe or elsewhere, for instance at one of the network laboratories.

Training in collaboration with

Informations non contractuelles.
Dernière mise à jour le 30 juin 2026

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Academic partners

- Aalto University School of Science
- Technische Universität Darmstadt, Germany
- Université de Bordeaux, France
- Université de Liège, Belgium

Associated companies

- ArcelorMittal
- ARKEMA

Research and Technology organizations

- CEA
- Fraunhofer?Gesellschaft
- IMEC

> All the information on this Master's Program on the Grenoble INP web site

Infos pratiques

Lieu(x) ville

Grenoble

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Dernière mise à jour le 30 juin 2026