



IMT Atlantique
Bretagne-Pays de la Loire
École Mines-Télécom

WASTE MANAGEMENT, STORAGE, WAREHOUSING

Master of Science Nuclear Engineering Concentration in Advanced Nuclear Waste Management



INSTITUTION(S)

IMT Atlantique

DURATION OF STUDY Two-years formation

LANGUAGE 

TRAINING LOCATION Nantes



MODE OF STUDY • Full time programme

CONTACTS ne-apply@imt-atlantique.fr

WEB www.imt-atlantique.fr

PREREQUISITES

Students who wish to enrol must be fluent in English, or have a (scientific) education in English or provide a language certificate (TOEFL IBT 80, IELTS 6.0, TOEIC 750, Cambridge).

No prerequisite in French.

M1: science degree.
M2: Four-year of university degree or first year of a master degree in scientific disciplines such as nuclear, chemical and civil engineering, energy, environment, physics, or chemistry.

SUMMARY

The Master in Nuclear Engineering, with a specialization in **Advanced Nuclear Waste Management** (ANWM), is an international degree with a concentration in nuclear waste management. The training is exclusively taught in English. Future graduates will develop scientific, technical and industrial knowledge, and will have the scientific and technical skills necessary for nuclear waste management. The teaching covers several fields including the nuclear fuel cycle, waste management, and focuses particularly on the dismantling and clean-up of nuclear facilities.

Company visits, scientific and intercultural seminars are planned as well as professional coaching, during which a reflection focused on the student's skills and professional objectives is carried out in order to help him/her enter the workforce. The programme also maintains a network of experts who, with their experience, guide the students to a better understanding of the professional environment.

Following the first-year, one other specialized nuclear track is also offered:

- Nuclear Energy Production and Industrial Applications (**NEPIA**).

The ANWM master degree is accredited by the I2EN and awarded the I2EN Label.

SKILLS

- Waste, conditioning and storage;
- Dismantling and decommissioning;
- Geological storage;
- Management, safety and society;
- Professional support;
- Master's thesis or internship;
- French language and culture.

CAREERS

- Project engineer (nuclear energy, dismantling, nuclear waste treatment, conditioning, safe storage);
- Nuclear waste manager in industrial, hospital or research establishments;
- Research engineer in development;
- Safety engineer for radioactive waste management solutions;
- Engineer for international agencies involved in nuclear waste issues.

TRAINING FACILITIES

Subatech/IMT Atlantique laboratories.