



This program develops fundamental scientific, technical and industrial knowledge in the field of nuclear engineering. It has a particular focus on the backend of the nuclear fuel cycle, nuclear waste management, long-term safety and environmental impact assessment. It also provides strong insights on dismantlement and decommissioning of nuclear installations.

### ACADEMIC DETAILS

#### 2-year full time program

- > September intake – 4 semesters


#### Comprehensive curriculum

- > Projects, company visits, seminars
- > Professional coaching
- > French language & culture
- > Intercultural workshop
- > Master thesis/internship (last semester)

#### Internationally recognized degree

- > MSc in Nuclear Engineering (NE) accredited by the Ministry of Higher Education, Research and Innovation. No. 201708707 - 1701324R

#### Associated tracks / programs

- > NEPIA – Nuclear Energy Production & Industrial Applications
- > NMA - Nuclear Medical Applications
- > SARENA - Erasmus Mundus label 

### M1 - YEAR 1 on Nantes campus

- > Physics of ionizing radiations
- > Detection of ionizing radiations
- > Introduction to nuclear modeling
- > Introduction to neutron physics
- > Radioprotection
- > Physico-chemistry of environment
- > Introduction to nuclear technology
- > Detection and industrial applications
- > Project management & entrepreneurship
- > Measurement and data analysis

### M2 - YEAR 2 on Nantes campus

- > Wastes, conditioning and storage
- > Dismantlement and decommissioning
- > Geological disposal
- > Safety
- > Sustainability and safety management

*Courses are subject to change without notice*

**100 % taught in English**

**6-month internship in a company or lab**

**Free application!**



**IMT Atlantique**

Bretagne-Pays de la Loire  
École Mines-Télécom



#NuclearTechnology  
#Energy #Physics  
#WasteManagement  
#Dismantlement  
#Decommissioning  
#NuclearSafety

## INTERNATIONAL EXPERIENCE

### Alumni Testimony

**Marina (Russia)**

*"Thanks to IMT Atlantique and Professors from the industry, I've realized how huge and how different nuclear engineering can be : you can deal with physics, chemistry, reactors modelling and simulation and other stuff, and it's amazing !"*



## CAREER OPPORTUNITIES

Manager of nuclear waste in industrial, hospitals or research institutions, Safety engineer for radioactive waste management solutions, Engineer in international agencies involved in nuclear waste issues, R & D engineer, etc. Possibility to continue in PhD.

## RESEARCH EXPOSURE

The MSc is managed by Subatech, a joint research unit in Subatomic physics and associated technologies between the CNRS-IN2P3, IMT Atlantique and the University of Nantes. Fully integrated in major worldwide scientific collaborations, Subatech's research activities revolve around the fields of nuclear, hadronic, particle and astroparticle physics and radiochemistry.

## TUITION FEES AND SCHOLARSHIPS

12,000 Euros / year

Scholarships opportunities for: Excellent profiles, Alumni from our partner universities, European citizens, etc.

**Watch the video:**  
[youtu.be/JYh9e72Ec\\_A](https://youtu.be/JYh9e72Ec_A)



> CampusFrance "Bienvenue en France" guarantees the quality of the experience for international students.

## IMT ATLANTIQUE

IMT Atlantique is a "Grande Ecole" ranked among the best French Graduate Engineering Schools, and recognized internationally as a leading Technological University (Shanghai, QS and THE rankings). It is a member of IMT, the largest group of public Engineering and Management Graduate Schools in France.

- > On-campus accommodation, restaurants, sports facilities
- > Orientation Days & French Summer School
- > A variety of student clubs

**Find out more:**  
[www.imt-atlantique.fr/ne](http://www.imt-atlantique.fr/ne)

**Contact us:**  
[ne-apply@imt-atlantique.fr](mailto:ne-apply@imt-atlantique.fr)

**Apply:**  
<https://www.imt-atlantique.fr/apply>

**International students FAQ:**  
[www.imt-atlantique.fr/student-faq](http://www.imt-atlantique.fr/student-faq)

