



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



> 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

Contact us:
ne-apply@imt-atlantique.fr

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