



Master of Science - MSc NE

Nuclear Engineering

Track in Nuclear Energy Production and Industrial Applications - NEPIA

▲ This program focuses on nuclear sciences applications mainly energy production (power reactors) and gives insights on dismantlement and decommissioning of nuclear installations.

CURRICULUM

M1 - YEAR 1 Nantes campus

- > Ionizing radiations
- > Introduction to nuclear modeling
- > Introduction to neutron physics
- > Radioprotection
- > Physico-chemistry of environment
- > Introduction to nuclear technology
- > Environmental management & sustainability
- > Measurement and data analysis
- > Project, company visits, seminars
- > French language & culture

M2 - YEAR 2 Nantes campus

- > Basics for reactors
- > Dismantlement and decommissioning
- > Nuclear materials
- > Operation & Maintenance
- > Management, safety and society
- > Professional coaching
- > Master thesis / internship
- > French language & culture

Courses are subject to change without notice

Accreditation from the Ministry of Higher Education, Research and Innovation No. 20170877

100 % taught in English

6-month paid internship in a company or lab

Free application!



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



#NuclearTechnology
#Energy #Physics
#Reactors #NuclearSafety
#Cyclotrons
#RadiationProtection
#NuclearSecurity
#Accelerators



ALUMNI TESTIMONY

Yemin DONG (China)

"France has been a leading country in terms of nuclear technology for years. The Master program really reflects this advanced-level, you can experience it everyday of your studies."

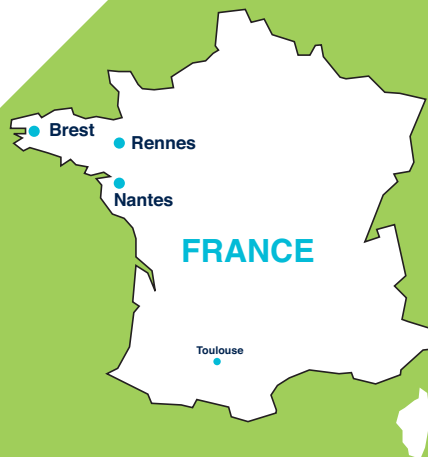
RESEARCH EXPOSURE

The MSc is managed by SUBATECH, a joint research unit between the CNRS-IN2P3, IMT Atlantique and the University of Nantes.

CAREER OPPORTUNITIES

Project engineer related to nuclear energy, Safety engineer in nuclear power plant and industrial installations, and environmental controls, Operation and maintenance engineer in nuclear power plant, Research scientist and development engineer for industrial installations and power plants, etc.

Possibility to continue in PhD.



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.

TUITION FEES AND SCHOLARSHIPS

12,000 Euros / year

Scholarships opportunities for:

Excellent profiles, alumni from our partner universities, European citizens, etc.

Find out more:

www.imt-atlantique.fr/ne

Contact us:

ne-apply@imt-atlantique.fr

Apply:

<https://ne.imt-atlantique.fr>

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