Track in Advanced Nuclear Waste Management - ANWM

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.

CURRICULUM

M1 - YEAR 1
Nantes campus

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

M2 - YEAR 2
Nantes campus

- Wastes, conditioning and storage
- Dismantlement and decommissioning
- Geological disposal
- Safety
- 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!

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

ALUMNI TESTIMONY
Pamela LOPEZ (Argentina)
“I was able to comprehend the French nuclear network and make a lot of contacts for my future. Moreover, this Master and the internship at EDF have given me the technical understanding to decide exactly what I want to do in my professional life.”

TUITION FEES AND SCHOLARSHIPS
12,000 Euros / year
Scholarships opportunities for: Excellent profiles, Alumni from our partner universities, European citizens, etc.