MSc Nuclear Engineering / track Nuclear Energy Production and Industrial Applications

Intakes

September 2022 intake

M1 or M2

Language

100% English taught program

Tuition fees

12,000 € Euros/year

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

Campus

Nantes

NE/NEPIA Nuclear Energy Production & Industrial Applications specializes in nuclear sciences applications including energy production (power reactors) and industrial applications (particles beams technology, instrumentation,.....). A particular focus is put on the safety and radioprotection, to be considered in the management of a large project in this field.

NEPIA Objectives

- Acquire basic knowledge necessary for understanding nuclear energy production (power reactors) and industrial applications, e.g. accelerators, cyclotrons...
- Develop competences in reactor operation, maintenance and safety issues including radioprotection.
- Develop competences in particles beams production and qualification.
- Develop competences in nuclear radiations applications: instrumentation, non destructive control, security...
- Develop an awareness of societal considerations related to nuclear energy production.
- Take into account societal issues related to nuclear energy production.