



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

MSc NE/NEPIA

Intakes

M1 or M2

Tuition fees

MSc Tuition fees

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.

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