

# RADIATION PROTECTION BASIS



## Course overview

This training course will allow you to acquire a basic knowledge of radiation protection applied to nuclear industry installations.

## Who is the course for?

Engineers or researchers working in nuclear industry companies or research centres and wishing to acquire basic knowledge on radiation protection.

## Entry requirements

No requirement is needed for this training.

## Competences covered

- Define radioactive transformation modes, ionizing radiations, biological effects and radiation protection quantities.
- Use detection and measuring devices.
- Present the protection systems against external and internal exposure.
- Give an overview of the international regulation in radiation protection.
- Identify radiological risk within a nuclear facility.

**Duration** 29 hours (4.5 days)

**Location** Saclay

**Groups limited to** 12

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**Course code** 060



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## Course content

- Nuclear physics basis: radioactivity, ionizing radiations and their interactions with matter
- Biological effects of ionizing radiations and radiation protection quantities
- Detection and measuring
- External and internal exposure
- International regulation in radiation protection, ALARA principle
- Application of radiation protection in nuclear industry



PRACTICAL  
WORK



SIMULATOR



SITE VISITS

## Why take this course?

- Training in English.
- Practical courses.
- Visits of nuclear installations.

Please contact us for more information on this course.