Garnet
Garnet Global Training Center

GGT-NR-120

Nuclear & Radiation Safety | Rare specialisation | New from 2029

Small Modular Reactor Technology

تكنولوجيا المفاعلات المعيارية الصغيرة

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Participants in Small Modular Reactor Technology practise the methods, tools and standards they need to perform reliably and solve problems on the job. Safe use of radiation sources in industry, medicine and energy, aligned with international safety standards. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Small Modular Reactor Technology to real tasks.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.

Who should attend

Radiation protection officers, industrial radiographers, medical physicists and nuclear sector staff. Practitioners with one to five years of experience benefit most.

Key topics

- Radiation physics basics
- Dose limits and regulation
- Shielding and monitoring
- Source security
- Emergency planning
- Waste and transport

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Small Modular Reactor Technology: principles and standards

- Shielding and monitoring
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Source security
- Emergency planning

Day 3 Diagnosis and problem solving

- Waste and transport
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Radiation physics basics
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Dose limits and regulation
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Small Modular Reactor Technology: principles and standards

- Shielding and monitoring
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Source security
- Emergency planning

Day 3 Diagnosis and problem solving

- Waste and transport
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Radiation physics basics
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Dose limits and regulation
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Regional and international case studies

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
14–18 Jan 2029	5-day classroom	Cairo	English	4,750
4–15 Jun 2029	10-day classroom	Dubai	Arabic	8,950
17–21 Sep 2029	5-day online	Live online	Arabic	2,950
4–8 Nov 2029	5-day classroom	Jeddah	Arabic	4,750
14–25 Jan 2030	10-day online	Live online	Arabic	5,450
5–9 May 2030	5-day classroom	Riyadh	Arabic	4,750
21 Jul – 1 Aug 2030	10-day classroom	Kuwait City	English	8,950
16–20 Sep 2030	5-day classroom	Istanbul	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/