Garnet
Garnet Global Training Center

GGT-FE-107

Fire Engineering & Fire Protection

Sprinkler Systems Design (NFPA 13)

تصميم أنظمة الرشاشات (NFPA 13)

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

Overview

Sprinkler Systems Design (NFPA 13) turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Prevent, detect and control fire with the right design, systems and inspection. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Sprinkler Systems Design (NFPA 13) to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

Who should attend

Fire engineers, fire safety officers, MEP designers, inspectors and facility managers. Practitioners with one to five years of experience benefit most.

Key topics

- Fire science
- Codes: NFPA and local codes
- Detection and alarm
- Suppression systems
- Means of egress
- Inspection and maintenance

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

WhatsApp: +971 56 674 7382

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 Sprinkler Systems Design (NFPA 13): principles and standards

- Detection and alarm
- Group discussion and peer review

Day 2 Methods and tools in practice

- Suppression systems
- Means of egress

Day 3 Diagnosis and problem solving

- Inspection and maintenance
- Measurement and reporting

Day 4 Quality, safety and documentation

- Fire science
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Codes: NFPA and local codes
- Common mistakes and how to avoid them

10-day outline

Day 1 Sprinkler Systems Design (NFPA 13): principles and standards

- Detection and alarm
- Group discussion and peer review

Day 2 Methods and tools in practice

- Suppression systems
- Means of egress

Day 3 Diagnosis and problem solving

- Inspection and maintenance
- Measurement and reporting

Day 4 Quality, safety and documentation

- Fire science
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Codes: NFPA and local codes
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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)
4–8 Jan 2027	5-day classroom	Dubai	English	4,750
12–16 Apr 2027	5-day classroom	Kuala Lumpur	English	4,750
17–21 May 2027	5-day online	Live online	Arabic	2,950
12–23 Sep 2027	10-day classroom	Jeddah	Arabic	8,950
10–14 Jan 2028	5-day classroom	Dubai	English	4,750
2–6 Apr 2028	5-day classroom	Cairo	English	4,750
19–30 Jun 2028	10-day online	Live online	Arabic	5,450
9–20 Oct 2028	10-day classroom	Istanbul	English	8,950
4–15 Feb 2029	10-day classroom	Riyadh	English	8,950

Dates	Format	City	Language	Fee (USD)
8–12 Apr 2029	5-day classroom	Jeddah	English	4,750
4–8 Jun 2029	5-day classroom	Vienna	English	4,750
9–13 Jul 2029	5-day online	Live online	Arabic	2,950
15–19 Apr 2030	5-day classroom	Barcelona	English	4,750
6–17 May 2030	10-day classroom	London	English	8,950
8–19 Jul 2030	10-day online	Live online	English	5,450
8–12 Sep 2030	5-day classroom	Amman	Arabic	4,750

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