

Module

aLCI

aelēc Firefighting

aelēc Lucha Contra Incendios
aLCI (4h)



aelēc

Aim: To provide the necessary knowledge to prevent fires in electrical installations and act safely and effectively in the event of a fire, identifying the types of fire, the appropriate extinguishing agents, and the protective equipment available. The course reinforces emergency response capabilities, minimizing personal injury and property damage.

PROGRAM: aelēc Firefighting

1. Legislation
 - 1.1 Occupational risk prevention law
 - 1.2 Royal Decree 486/1997 Workplaces
 - 1.3 Royal Decree 485/1997 Occupational health and safety signage
 - 1.4 State legislation on fire protection conditions
2. Basic concepts of fire
 - 2.1 Fire triangle and tetrahedron
 - 2.2 Combustion products
3. Classification of different types of fire
 - 3.1 Class A Solid fuels
 - 3.2 Class B Liquid fuels
 - 3.3 Class C Gaseous fuels
 - 3.4 Class D Fuels with special behavior
4. Preventive measures
 - 4.1 About the fuel
 - 4.2 About the oxidizer
 - 4.3 About the ignition source
 - 4.4 On the chain reaction
5. Fire extinguishing techniques
 - 5.1 About fuel
 - 5.2 About the oxidizer
 - 5.3 About the ignition source
 - 5.4 About chain reactions
6. Extinguishing agents
 - 6.1 Sprayed water
 - 6.2 Water jet
 - 6.3 BC powder
 - 6.4 ABC powder
 - 6.5 Metal-specific powder
 - 6.6 Physical foam
 - 6.7 Carbon dioxide
 - 6.8 Halon substitutes
7. Fire extinguishing equipment
 - 7.1 Fire extinguishers
 - 7.2 Equipped fire hydrants (BIE)
 - 7.3 Hydrants
 - 7.4 Fixed extinguishing systems
 - 7.5 Signage
 - 7.6 Evacuation
 - 7.7 Provision of firefighting equipment
8. Detection and alarm systems
 - 8.1 Automatic systems
 - 8.2 Manual fire alarm system
9. Action in case of fire
 - 9.1 Basic recommendations to follow in the event of a fire
 - 9.2 Actions that should not be taken in the event of a fire
10. Practical exercises:
 - 10.1 Handling fire extinguishers for type A and type B fires (use of chemical powder and carbon dioxide extinguishers)

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Duration: 4 hours (1/2 day)

aLCI program: Sections 1 to 10

Maximum students: 12 people per Edition

Certificate validity:

3 years

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