

# NICET® I AND II FIRE ALARM SYSTEMS

## CLASS FORMAT:

Classroom

## STANDARD CLASS SIZE:

NTT recommends a class of not more than 35 participants for the best results.

## NTT PROVIDES:

- 2-days (16 contact hours) of on-site instruction
- Textbooks
- Classroom consumables
- Completion certificates
- Shipping, instructor fees and travel expenses

## CLIENT PROVIDES:

- Classroom of 500 square feet or greater
- Projection screen, white board and/or flip charts

## *Prepare for the NICET Certification exams.*

**Learn test-taking strategies . Review reference materials needed to maximize the NICET test experience.**

This class is helpful to personnel working in the fire alarm industry who engage in a combination of fire alarm system activities including layout, equipment selection, installation, acceptance testing, troubleshooting and servicing.

NICET Level I is for trainees and entry-level technicians who perform limited job tasks under frequent supervision.

NICET Level II is for technicians who perform routine tasks under general daily supervision.

## COURSE AGENDA

### INTRODUCTION TO NICET

- NICET history
- Value of NICET certification
- NICET requirements by state
- 9 Steps to certification

### NICET OPERATIONAL POLICIES

### THE FOUR CERTIFICATION CRITERIA

### THE EXAMINATION REQUIREMENT CHART

### NICET TEST STRATEGIES

### TECHNICIAN APPLICATION FORM

### MATERIALS TO BRING TO A NICET TEST

### NICET® LEVEL I ELEMENT REVIEW

- Core Elements
  - Basic fire alarm systems
  - NFPA standards
  - Basic wiring
  - Device and components
  - Periodic tests
  - Basic electricity
  - Metric units and conversions
- Noncore Elements
  - Basic working drawings
  - Basic mathematics
  - Installation practices
  - Basic communication skills



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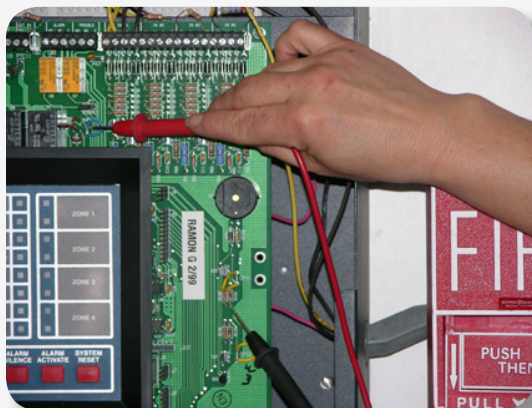
## COURSE AGENDA, continued

### NICET® LEVEL I ELEMENT REVIEW, CONTINUED

- Special Elements
  - Plans, specifications and contracts
  - Basic physical science
  - Fire warning equipment for dwelling units
  - Basic individual safety
  - First aid procedures



Fire alarm system plans and specifications are required by the National Fire Alarm Code® (NFPA 72), to be developed by those persons experienced in the proper design, application, installation and testing of fire alarm systems.



### NICET® LEVEL II ELEMENT REVIEW

- Core Elements
  - Fire protection plans and symbols
  - Basics of system layout
  - Electrical installation standards
  - Basic fire alarm signaling systems
  - Supervision and supervisory service
  - Detection methods
  - Detector spacing
  - Power supplies
  - System acceptance and periodic tests
- Noncore Elements
  - Construction plans
  - Specifications and cost estimates
  - Contracts
  - Building codes
  - Insurance authorities requirements
  - Governmental agencies
  - Protective premises fire alarm systems
  - Auxiliary fire alarm systems
  - Supervising station fire alarm systems
  - Proprietary supervising station systems
  - Central station fire alarm systems
  - Manual fire alarm systems and guard's tour service
  - Heat sensing fire detectors
  - Smoke sensing fire detectors
  - Radiant energy sensing fire detectors
  - Sprinkler waterflow and supervisory devices
  - Alarm notification appliances
  - Basics of signal transmission
  - Business communications
  - Intermediate mathematics
- Special Elements
  - Emergency voice/alarm communication systems
  - Signal processing
  - Surveys for fire alarm and detection systems
  - Fire alarm system maintenance
  - Fire alarm system wiring
  - Emergency evacuation signals
  - Combination systems