

AVAILABLE ONLINE THROUGH
DISTANCE LEARNING

Alarms 101

Jan - Apr | May - Aug | Sep - Dec



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*We Support and Encourage
NICET Certification*



CONTACT INFORMATION

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FIRE ALARM SYSTEMS TRAINING

Fire Alarm Systems Training is a program to produce competent and qualified individuals. It is our belief that properly trained and knowledgeable fire alarm system designers and technicians will reduce losses due to fire or false alarms and improve the quality of life in their community.

Fire Alarm Systems Training is a well-rounded offering that encompasses virtual classroom instruction coupled with an optional hands-on lab at our Safety Training Center located at Castle Hayne, North Carolina the Carolina coast.

The *National Institute for Certification in Engineering Technologies* or NICET “is a non-profit organization created by the National Society of Professional Engineers to serve the certification needs of the engineering technology community”. Fire Alarm Systems Training endorses and encourages NICET certification.



FIRE ALARM SYSTEMS TRAINING

Available Online Through Distance Learning



CAPE FEAR
COMMUNITY
COLLEGE



NORTH CAMPUS

ABOUT THE PROGRAM

Courses will last four months and consist of three Sessions per week. Each session will include a Lesson and a Progress Survey to evaluate the students' understanding of the topic.

The Alarms 101 Practical (1.6 CEU's) consists of four hands-on labs hosted at the Safety Training Center located at CFCC's North Campus on Saturdays. The lab is also offered in a two-day, eight-hour format that can be scheduled at any time when a ten-student minimum is met.

A "pen and paper", *Written Exam* will be administered at the conclusion of each lab. The exam will consist of 60 questions and be limited to one-hour.



Graduates will be considered "qualified" per NFPA 72, New Hanover County Fire Service and Wilmington Fire Department.

ALARMS 101

This course is designed for individuals who are new to the fire alarm industry and will focus on fundamentals. Students will learn basic electrical theory and understand resistance, voltage and current.

Students will also acquire a basic understanding of the physics involved in the chemical reaction and the by-products of fire. Students will learn basic electrical workmanship and installation methods of fire alarm equipment and devices. The student will gain an understanding of the requirements of codes and standards that govern fire alarm systems and installations.

Students will become familiar with NFPA 72, the *National Fire Alarm Code*, and NFPA 70, the *National Electric Code (NEC)**. **14.4 CEU's**

* - Code editions are consistent with NICET's allowable references for the *Fire Alarm Systems (FAS) exam(s)*.



ALARMS 102

This course is designed for individuals who are fire alarm technicians or have intermediate experience in the fire alarm industry and will focus on application and design.

The subject matter will build upon concepts addressing the behavior and generation of smoke, the combustion process and the requirements of codes and standards that govern fire alarm systems and installations.

Students will become familiar with NFPA 72, the *National Fire Alarm Code*, NFPA 70, the *National Electric Code (NEC)*, and the *International Building Code (IBC)**. **14.4 CEU's**