



BUILDING AUTOMATION SYSTEMS

NC3 and Trane help shape tomorrow's workforce through certification programs, industry supported curriculum and hands-on training.

Buildings today require smarter and better technology. Controls technology provides the platform for the next generation of data-driven, technology-enabled services that are helping to create high performance buildings with reduced costs, better indoor environments and smaller environmental footprints.

Building Automation Systems provides students with the basic knowledge and skills needed to perform common building automation operating tasks effectively and efficiently.

Students who receive NC3's BAS certifications will be able to:

- ◆ Monitor and control building mechanical systems
- ◆ Respond to alarm conditions
- ◆ Create custom alarms
- ◆ Generate reports and data logs
- ◆ Create custom time-of-day schedules
- ◆ Learn how time-of-day, area and variable air system applications work together to control your air side systems
- ◆ Respond to hot and cold calls
- ◆ Utilize contract documentation to identify control component locations

NC3 CERTIFICATIONS

Receive industry-validated NC3 certifications as proof of skills achievement that can offer enhanced employment potential and higher productivity on the job. The five BAS certifications are:

- ◆ BAS 1 - Intro to HVAC Systems Building Control
- ◆ BAS 2 - Automation, Spaces, Equipment, Security
- ◆ BAS 3 - Set Points, Scheduling, Area & VAS, Points
- ◆ BAS 4 - Chiller Plant Control, Alarms, Events
- ◆ BAS 5 - Data Logs, Reports, Backup

ADDITIONAL NC3 CERTIFICATIONS:

- ◆ Residential - Airflow
- ◆ Residential - Air-to-Air Heat Pumps
- ◆ Residential - Refrigeration Diagnostics
- ◆ Residential - Variable Speed Motors



Trane is a proud partner of the National Coalition of Certification Centers. Certifications are developed and administered by NC3 (National Coalition of Certification Centers) and are compatible with other industry recognized certifications. For more information, contact NC3 at nc3.net.

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trane-comm-cert-bas-04-19