

Career and Technical Education Advocacy



National Coalition of Certification Centers

The National Coalition of Certification Centers (NC3) is a value-driven organization for Career and Technical Education (CTE), creating highly skilled, job-ready professionals through a growing network of educational partners and global industry leaders.

Why It Matters

With buildings responsible for almost half of the world's energy consumption and 15% of global emissions attributed to heating/cooling buildings, the built environment has become a key focus area for businesses and organizations challenged to help reduce emissions, increase energy efficiency, and decrease operational cost. As a result, the HVAC industry is going through a transformation with more emphasis being placed on energy solutions, innovative technologies, and holistic programs.

Closing the Skills Gap

Addressing the skills gap is not just a necessity; it's a responsibility. Driven by this commitment, Trane became one of the first companies to work with NC3. Through this collaboration, Trane plays a pivotal role in delivering industry-relevant certifications to both educators and students, thereby promoting a more skilled and prepared workforce.

As this dynamic industry is changing, it's creating new, exciting opportunities for professionals who can help organizations better meet their business, social, and environmental goals.



Trane is proud to work with the National Coalition of Certification Centers (NC3). All certifications are administered by NC3. For more information, visit www.nc3.net

NC3 Certifications

Foundational Suite

Generative AI – Boosting Efficiency & Creativity at Work and School

Data Analytics 1 – Harnessing the Power of Data

Data Analytics 2 – Optimizing Energy & Sustainability with Data Analytics

Decarbonization – Developing a Path Towards a Sustainable Future

Residential HVAC

Residential 1 – Airflow

Residential 2 – Variable Speed Motors

Residential 3 – Air-to-Air Heat

Residential 4 – Refrigeration Diagnostics

Building Automation Systems

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

Our HVAC-specific certifications offer valuable training for future technicians, equipping them with the expertise needed for both residential and commercial applications. Additionally, our certifications extend beyond HVAC, encompassing essential skills that are applicable across virtually any industry. These include foundational knowledge in generative AI, data analytics, and decarbonization—critical areas that are driving innovation and sustainability in today's rapidly evolving technological landscape.

By providing this diverse and forward-thinking training, we can empower the next generation of professionals to excel in a wide array of fields, ensuring they are well-prepared to meet the challenges and opportunities of the future.



Program Requirements:

1. NC3 has requirements for participating schools, some of which involve fees, including but not limited to instructor training. Contact NC3 for more information.

2. NC3 Certifications for Residential HVAC requires purchase of equipment from Trane Commercial HVAC to ensure compliance with NC3 and Trane standards. Contact Trane for more details and to discuss a proposal and other requirements, including but not limited to the school having a qualified HVAC program.

3. NC3 Certifications for Building Automation Systems (BAS) requires purchase of controls, equipment, and installation from Trane Commercial HVAC to ensure compliance with NC3 and Trane standards. Contact Trane for more details and to discuss a proposal and other requirements, including but not limited to the school having a qualified HVAC program.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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