

Data Analytics NC3 Certification



Energy Analysis and Sustainability in Buildings

In order for something to be sustainable, it must be able to continue. If resources of our planet are consumed, or if pollution damages our environment beyond repair, then we have contributed to an unsustainable process which ultimately cannot continue.

But buildings require resources for power, heating and cooling. Energy.gov reports that buildings consume 76% of the electricity use, and 40% of all primary energy use and their associated greenhouse gases in the United States. The building sector contains one of the highest opportunities for reducing energy consumption and greenhouse gas emissions.

By working together and leveraging data to analyze and inform our decisions, we can optimize the performance of buildings and minimize our impact on our environment, creating a truly sustainable world in which we live.

The ability to understand how buildings use energy and how that fits into the overall sustainability of our planet is an important and informative topic in itself and also prepares students for a deeper dive into using data analytics.

Data Analytics NC3 Certification: Energy Analysis and Sustainability in Buildings

Students will receive NC3 certification as proof of achievement.

Participants will:

- Learn the different ways a building uses energy
- Be able to understand and analyze a utility bill
- Become familiar with basic energy conservation measures
- Understand how buildings fit into the sustainability landscape
- Have a foundation for continued learning

Energy Analysis and Sustainability in Buildings Certification benefits several career fields:

- Architect
- Building Engineer
- Energy and the Environment
- Facility Management
- General Contracting
- Heating, Ventilation, and Air Conditioning
- Mechanical and Electrical Engineer



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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