

Empowering Student Success

Innovative Environments for Inspired Growth



Creating a pathway for lifelong learning.

As a leader in tailored energy and infrastructure solutions, we enable organizational outcomes you didn't know were possible. When it comes to schools, Trane focuses on what's most important: student success.

From classrooms to real-world problem solving, our programs empower students at every stage of their educational journey. Discover how we're fostering career readiness and inspiring the next generation with dynamic, real-world experiences designed to develop skills that last a lifetime.

Trane's Education Programs At-A-Glance

Trane's education programs empower you to leverage your own building as a dynamic learning tool, engaging students in STEM education, teaching energy efficiency, and offering opportunities for industry-related certifications through a variety of specialized initiatives.

BTU Crew™

STEM—science, technology, engineering, and math—should be accessible, engaging and fun for all learners. BTU Crew delivers hands-on learning experiences in energy efficiency, thoughtfully designed for elementary, middle, and high school levels. Each program empowers students in cultivating critical analytical skills and sparking curiosity. Seamlessly integrated into existing lesson plans, our program empowers teachers and enriches student outcomes.

NC3 – National Coalition of Certification Centers

As a proud industry sponsor of NC3, Trane is committed to bridging the gap between education and industry. Our collaboration equips high school and post-secondary students with industry-related certifications, providing real-world skills and credentials that employers value. This program supports your institution's mission to prepare students for successful careers and to enable future graduates to drive industry innovation and benefit their communities.

Trane's Educational Lifecycle

Elementary Schools & Middle Schools

Empowering young minds with engaging STEM activities & career exploration.

A strong STEM foundation is crucial for student growth—sparking curiosity, building hands-on skills, and opening doors to lifelong career opportunities. We help ensure these experiences are engaging for students and seamlessly integrated for educators.

BTU Crew™ (Grades 4-7)



Program Overview

Our BTU Crew beginners program introduces STEM and energy efficiency through interactive, classroom-ready lessons. Students not only gain technical knowledge but also discover future career paths and the real-world impact of energy on their communities.



Core Learning Pillars

- Energy Fundamentals
- Understanding and Managing Energy Usage
- Career Awareness
- The Impact of Energy Choices
- Energy Efficiency in Buildings



Lesson Structure

- Up to 20 Turnkey Lessons
- Each Lesson: 50-60 Minutes
- Flexible Format to Complement Existing Curriculum



Key Benefits

For Students

- Spark Excitement for STEM Fields
- Strengthen Important Life and Analytical Skills
- Introduces Energy Efficiency Concepts

For Teachers & Staff

- Ready-to-Implement Lesson Plans
- Digital Enrichment Tools for Enhanced Engagement
- Comprehensive, Immersive Learning Experience

Trane’s Educational Lifecycle

Middle Schools & High Schools

Advancing career exploration and workforce skills development.

With a foundational understanding of STEM, it’s crucial to continue nurturing and developing students’ interests. Our goal is to deepen student understanding of energy, its consumption, related career opportunities, and environmental responsibility—ensuring they are equipped and inspired to make meaningful contributions both now and in the future.

BTU Crew™ (Grades 8-10)



Program Overview

Many students tend to lose interest in science as they progress through school. Our advanced BTU Crew program reignites that curiosity by combining rigorous STEM learning with real-world workforce skills and career exploration. Through interactive modules, students gain exposure to energy concepts, analytics, and industry pathways.





Core Learning Pillars

- Introduction to Energy Concepts: Energy 101
- Understanding and Managing Energy Usage
- Career Exploration
- Understanding the Impact of Energy Choices
- Energy Efficiency in Buildings
- Energy Audits and Performance Analytics



Lesson Structure

- Up to 32 Modules
- Each Module: 50-60 Minutes
- Designed to Easily Integrate with Existing Curriculum

 Key Benefits		
For Students		For Teachers & Staff
• Enhanced and Immersive STEM Learning • Strengthening of Technical & Analytical Skills • Early Exposure to Workforce Roles and Career Pathways		• Effortless Integration into Current Lesson Plans • Digital Resources to Amplify Student Learning • Comprehensive, Hands-On Learning Experience

Trane's Educational Lifecycle

High Schools, Colleges, & Beyond

Empowering future professionals for high demand careers.

As students approach graduation and advance to higher education, the importance of immersive, hands-on experiences grows. These highly-specialized training programs bridge the gap between classroom learning and real-world career readiness—supporting a seamless transition into tomorrow's workforce.

NC3 (Grades 11-12 & Higher Education)



Program Overview

Through our strategic collaboration with NC3, we deliver industry-aligned certification and technical education that prepares students for rewarding careers in various sectors.



Certifications Offered

- Generative AI
- Data Analytics
- Decarbonization
- Commercial HVAC – Building Automation Systems
- Residential HVAC



Course Features

- Opportunities for Concurrent High School Credits
- Stackable Certifications to Build Progressive Expertise



Key Benefits

For Students

- Potential Opportunity to Earn Credits Applicable Towards Graduation and Advanced Credentials
- Achieve Industry-Related Certifications in High-Demand Career Fields
- Develop Advanced Technical and Analytical Skills

For Teachers & Staff

- Foster an Advanced, Future-Focused Learning Environment
- Quickly Identify Energy and Cost-savings Opportunities
- Access State-of-the-Art Training & Facilities
- Effortless Integration into Current Lesson Plans and Courses

Trane's Educational Lifecycle

Living Learning Labs



Innovative Experiential Learning

Trane leverages state-of-the-art technology to transform your building into a living, learning lab. This innovative approach provides students with real-world experience in analyzing energy data and solving complex problems, while ensuring building operations remain uninterrupted.



Focus Areas

- Analyze Interval Energy Data from Your Building
- Apply Industry-Leading Data Analysis Software
- Explore Relationships Between Energy Use, Weather and Occupancy



Skills Developed

- Analyze Charts, Graphs, and Visualizations of Energy Data
- Evaluate the Impact of Energy Conservation Measures
- Identify and Communicate Potential Opportunities for Optimizing Building Performance



Key Benefits

For Students

- Gain Valuable Work-Based, Experiential Learning Opportunities
- Build Essential Hands-On Competencies
- Advance Critical Thinking and Digital Analysis Skills

For Teachers & Staff

- Engage in Continuous Professional Development
- Stay at the Forefront Of Technical And Industry Trends
- Foster an Advanced, Future-focused Learning Environment



Learn more at trane.com/stem



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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