

SUSTAINABLE ARCHITECTURE

Associate Degree

Course Overview

The Sustainable Architecture program will provide students with a foundation in the details of building systems, including electrical and lighting; heating, ventilation and air conditioning; and thermal envelope design, practices and procedures of remodeling/retrofitting existing structures in regard to energy efficiency.

Students who enroll in this program will gain knowledge of sustainable/green building technologies, related software training, energy monitoring and auditing, building code, structural analysis, construction techniques and cost estimations.

First-year classes are the same for the Architectural Design & Technology Associate Degree program, allowing learners to decide their pathway as they expand their working knowledge of the trades.

According to the Bureau of Labor Statistics, (www.bls.gov) employment prospects will be favorable for graduates with knowledge of sustainable design.

The average starting wage in the industry is \$15 per hour. After three years, that increases to an average of \$20 per hour. Sustainability specialist job outlook is expected to grow by 21 percent through 2016.

Get Started Today

For more information on the Sustainable Architecture Associate Degree Program, contact an Enrollment Advisor at 715.675.3331 Ext. 5860 or email at admissions@ntc.edu.

Curriculum

First and Second Semester

Architectural Design 1
Construction Technology 1
Computer Graphics 2D CAD
Surveying for Architectural Design
Architectural Design 2
Estimating 1
Sustainable Building 1
Sustainable Building 2
Sketchup

Third and Fourth Semester

Energy Efficient Design 1
Energy Building Science
Renewable Energy Technologies
Revit
Mechanical Systems HVAC 1
Residential Electrical
Residential Plumbing
Energy Efficiency Design 2
Energy Rating and Analysis
BIM Cost Estimating
Construction Management



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