

# CONSTRUCTION TECHNOLOGY

The Construction Technology program is designed to prepare students for entry level positions in the construction industry. Residential and light commercial construction applications are taught. This program includes instructional units in blueprint reading, building site layout procedures, foundation systems, light framing construction methods, exterior and interior finish systems, concrete forming systems and construction safety. Units of instruction are designed to include lecture and practical experience in the lab or on-site projects. This program also offers an excellent prerequisite for students that plan to pursue a career in areas such as construction management, civil engineering or architectural design.

The Green Building Technology certificate familiarizes students with the principles of green building technologies and methods of sustainable construction. Emphasis is placed on green materials used in the construction of buildings along with alternative and/or renewable energy systems. Covers both Leadership in Energy and Environmental Design (LEED) and the National Green Building Standard's rating systems for the certification process of green buildings.

Progression in the Construction Technology Program is contingent upon achievement of a grade of "C" or better in each technical and mathematics course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

## Degrees

- Construction Technology - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/construction-technology-aas/>)

## Diplomas

- Construction Carpenter - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/construction-carpenter-diploma/>)

## Certificates

- Basic Carpenter - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/basic-carpenter-certificate/>)
- Carpenter Helper - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/carpenter-helper-certificate/>)
- Construction Forms Helper - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/construction-forms-helper-certificate/>)
- Dry Waller - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/dry-waller-certificate/>)
- Green Building Technology - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/green-building-technology-certificate/>)
- NCCER Skills Standard Level I - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/nccer-skills-standard-level-certificate/>)
- Residential Carpenter - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/residential-carpenter-certificate/>)
- Residential Roofer - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/residential-roofer-certificate/>)

- Residential Site Layout Assistant - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/residential-site-layout-assistant-certificate/>)
- Rough Carpenter - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/construction-technology/rough-carpenter-certificate/>)