

BUILDING CONSTRUCTION TECHNOLOGY

Associate of Applied Science Degree

- Building Construction Technology (60 credits)

The Associate of Applied Science Degree in Building Construction Technology prepares students for opportunities within the growing construction industry. Providing significant hands-on instruction and student participation, the degree includes basic construction safety, technical math skills, blueprint reading, use of hand and power tools, wood building materials, and basic plumbing skills. This competency and performance-based degree follows nationally recognized National Center for Construction Education and Research (NCCER) accreditation and certification standards. Students may enroll on a full-time or part-time basis. Some courses are offered in the evening to accommodate students' work schedules.

Students may also choose to pursue a Certificate of Completion in Building Construction Technology (43-44 credits), Basic Solar (22 credits), Energy Auditing (23 credits), Basic Residential Wiring (17 credits), and/or Plumbing (17 credits) while pursuing an Associate of Applied Science Degree in Building Construction Technology.

Certificates of Completion

- Building Construction Technology (43-44 credits)
- Basic Solar (22 credits)
- Energy Auditing (23 credits)
- Basic Residential Wiring (17 credits)
- Plumbing (17 credits)

The certificates of completion in Building Construction Technology prepare students for basic, entry-level positions within the growing construction industry. Providing hands-on instruction and student participation, the certificates include basic construction safety, technical math skills, blueprint reading, use of hand and power tools, construction materials, and other related, applicable skills and training as described below. These competency and performance-based certificates follow nationally recognized National Center for Construction Education and Research (NCCER) accreditation and certification standards. Students may enroll on a full-time or part-time basis. Some courses are offered in the evening to accommodate students' work schedules.

- The Certificate of Completion in Basic Solar prepares a student with the skills for entry-level employment in the field of basic solar panel installation and construction related solar energy applications.
- The Certificate of Completion in Energy Auditing prepares a student with the skills for entry-level employment in the field of energy auditing, including the analysis of existing structures for energy efficiency and conservation.
- The Certificate of Completion in Basic Residential Wiring prepares students for entry-level employment in the residential wiring field, including basic residential wiring procedures and practices.
- The Certificate of Completion in Plumbing prepares a student with the skills for entry-level employment in the plumbing field, including basic residential plumbing procedures and practices.

All Building Construction Technology students are encouraged to join the student chapter of the National Association of Home Builders

(NAHB). Membership provides students an opportunity to develop their leadership skills, become proficient in public speaking and parliamentary procedures, network with industry professionals, attend training provided by Las Cruces Home Builders Association (LCHBA), and attend other relevant professional development activities. Through their membership, students will have the opportunity to participate in service-learning events that support the local community. Students may also be able to demonstrate their technical skills at the International Builders Show (IBS) or through SkillsUSA competitions.

Whether during class, laboratory, or working on a class-related job site, students enrolled in the Building Construction Technology program will be required to perform the same job duties and be able to meet the same physical requirements that they will as a graduate in the field. Depending where they find employment, graduates may be required to:

- Work in inclement weather,
- Lift up to 50 pounds from the ground,
- Possess good eye-hand coordination,
- Work safely around electrical hazards using the appropriate safety equipment,
- Work safely using hand and power tools,
- Ascend and descend stairs and ladders, and
- Stand, squat, or kneel for long periods.