

# Building Construction

## Architecture & Construction Cluster

The Building Construction program teaches students about residential and commercial Carpentry, Electrical, Masonry, and Plumbing. Carpentry Skills include blueprints, site layout, floor framing, wall framing, roof framing, exterior and interior finishes, employability and communications skills. Masonry Skills include facing concrete and laying masonry units. Electrical Skills include basic wiring and understanding electrical codes. Plumbing Skills include working with copper and PVC pipe, as well as understanding the installation process. In the third semester of the program, students may participate in the cooperative education program. This course offers NCCER Core national certification.

### Program Duration & Grade Level

Building Construction is a two (2) year program

Once a student starts in 11<sup>th</sup> grade, they will be required to continue and complete the Building Construction program in their 12<sup>th</sup> grade year.

### Certifications & Qualifications

NCCER Core: Complete modules and performance standard sheet

OSHA-10: Complete 10 hours of instruction

### Prior Knowledge

- Prior knowledge needed in math includes, but is not limited to:
  - o 4 Function math skills without a calculator
  - o Knowledge of metric system and basic decimal and fraction conversions

### Estimated Pay

Estimated pay salaries for a person in the Building Construction field

Job Description	Degree	Estimated Starting Salary
Construction Managers	Bachelor's degree	\$76,000
Construction Skilled Employee	High School Diploma	\$38,000
Construction Laborers	High School Diploma	\$27,210
Electricians*	High School Diploma	\$37,300

\*Electricians pay reflects 4 years field experience and passing Journeyman exam for SC LLR

Bonds Career Center accepts students based upon a rubric considering attendance, discipline, grades, and teacher recommendations. Administrators will consider mitigating factors on a case-by-case basis. Administrators may revoke student privileges at any time for failure to meet program requirements. The maximum enrollment for this class is 16 students due to safety requirements, accreditation rules, and facility/equipment limitations.