



Residential & Commercial Construction

Architecture & Commercial Construction

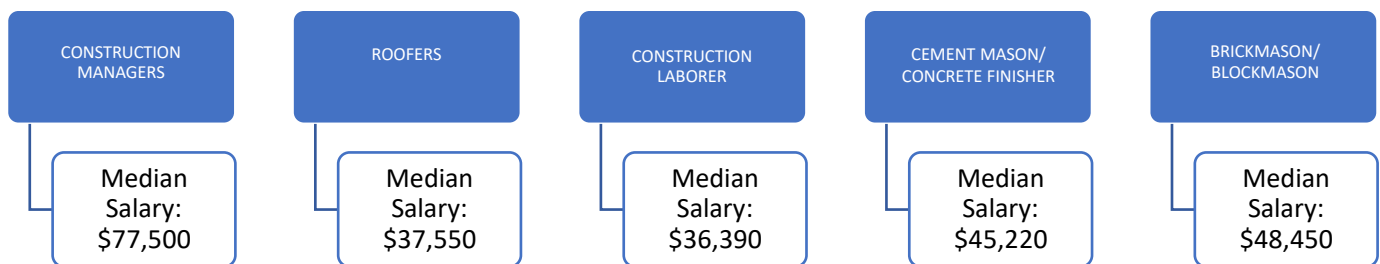
JOB OUTLOOK

Job demand in the construction occupations is strong. Construction and manufacturing continue to boom in Tennessee. This is expected to continue as current companies expand and new companies come to the state. Both residential and commercial construction is expected to remain active. There are many opportunities for career advancement for workers in the construction industry. The continual growth of construction combined with the number of workers retiring ensures that construction will remain a high demand occupation.



OCCUPATION PROFILE

Residential and commercial construction covers a wide variety of trades. Cement masons place and finish concrete in sidewalks, columns, beams and other surfaces. Brick masons build walls, walkways, fences and roads and other structures using bricks combined with other materials. Roofers build new roofs, inspect roofs for damages, repair roofs, and transport the materials needed in roofing. Construction laborers perform physical tasks such as cleaning, removing debris, loading and unloading materials, digging ditches and other tasks. Construction managers plan, coordinate, budget, and supervise construction projects from start to finish.



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Memphis-Shelby County Schools



ROAD MAP TO SUCCESS

PROGRAM OF STUDY PROFILE

The Residential & Commercial Construction program of study prepares students for the various disciplines of construction, providing students with the opportunity to develop a holistic understanding of the building systems and components required for a construction project. Students will be able to interpret construction drawings, perform basic math skills, demonstrate the construction crafts required for each phase of a construction project and safely use and maintain appropriate tools, equipment, and resources to accomplish construction project goals. Course content covers industry specific business concepts, project management, and career opportunities. In the third level course, programs have the option to select a focus area. The fourth level course, *Construction Practicum*, places students with industry partners to complete a capstone construction project.

CAREER PATHWAY

SECONDARY EDUCATION

- * Fundamentals of Construction
- * Residential and Commercial Construction I
- * Residential and Commercial Construction II
- * Construction Practicum

CERTIFICATIONS

- * Building Construction Technology
- * Masonry Technology

ASSOCIATES

- * A.A.S. Civil and Construction Engineering Technology

BACHELORS

- * B.S. CONSTRUCTION MANAGEMENT
- * B.S. MECHANICAL ENGINEERING

MSCS PARTICIPATING SCHOOLS: Cordova HS, G.W. Carver, Kingsbury CTC

DUAL ENROLLMENT: Building Construction Tech – Cordova HS, Kingsbury CTC + Tennessee College of Applied Technology (TCAT)

LOCAL EMPLOYERS: Bright Construction Company, F&F Construction Co., Johnson Equipment Company, Lehman-Roberts, Lubin Enterprises, Inc., Medford Roofing, Milwaukee Tools, TopCat Masonry, Turner Construction, Tennessee Builders Education Foundation