

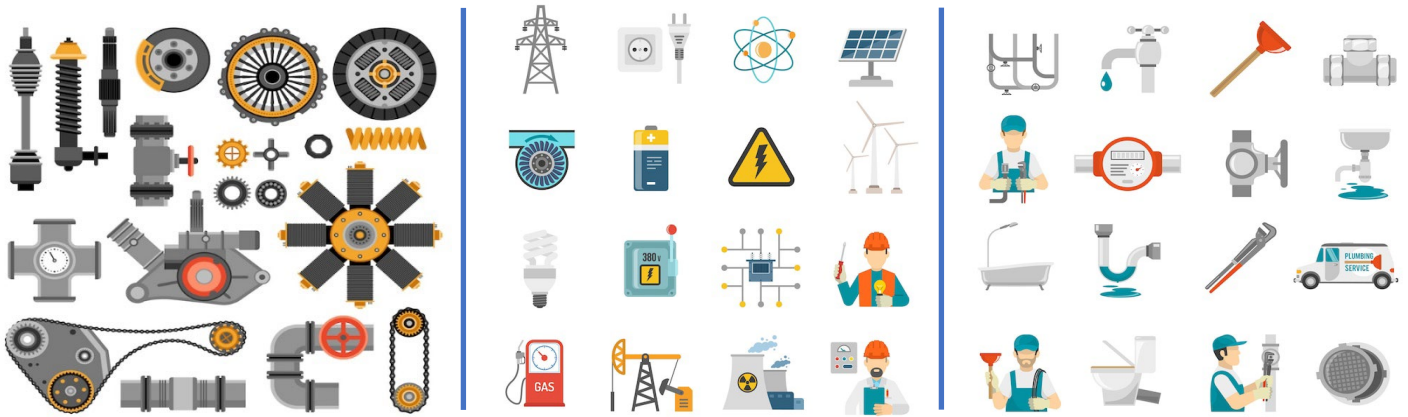


MEP – Mechanical, Electrical, & Plumbing

Architecture & Commercial Construction

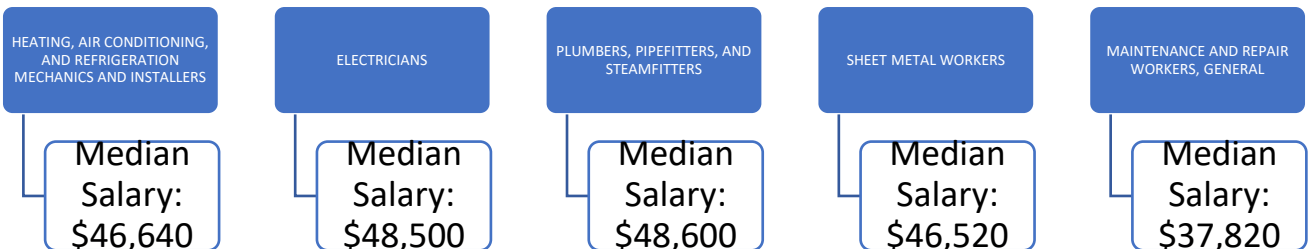
JOB OUTLOOK

Job demand in the mechanical, electrical, and plumbing trades 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. There are many opportunities for career advancement for electricians, HVAC technicians, and plumbers. The continual growth of construction combined with the number of workers retiring ensures that these will remain high demand occupations.



OCCUPATION PROFILE

Electricians, plumbers and heating, ventilation, and air-conditioning (HVAC) technicians perform a wide variety of construction, installation, and service tasks. Electricians install, maintain, and repair electrical power, communications, lighting, and control systems. Plumbers install, maintain, and repair pipes, valves, fittings, drainage systems and fixtures. HVAC technicians install, maintain, and repair ventilation and air-conditioning systems and equipment. All of this work can occur in either commercial or residential buildings.



[Type here]



Memphis-Shelby County Schools



ROAD MAP TO SUCCESS

PROGRAM OF STUDY PROFILE

The Mechanical, Electrical, & Plumbing Systems program of study prepares students to install, service, and maintain building equipment. Course content is arranged around four sequenced, progressive courses that provide students with the opportunity to understand the principles behind mechanical, electrical, & plumbing systems, to apply basic installation skills, and to safely use and maintain appropriate tools, equipment, and resources to accomplish project goals. The MEP Systems course introduces students to the physical principals involved with these systems and the fundamental skills needed to work with them. In the third level, students have the option to focus in electrical, plumbing, or HVAC/R, and earn an industry credential specific to the focus area. The fourth level course, Construction Practicum, places students with industry partners to complete a capstone project.

CAREER PATHWAY

SECONDARY EDUCATION

- * Fundamentals of Construction
- * MEP Systems
- * HVAC
- * Electrical Systems
- * Construction Practicum

CERTIFICATIONS

- * Electrical
- * HVAC/R
- * Plumbing and Pipefitting

ASSOCIATES

- * A.A.S. Electrical Engineering Technology

BACHELORS:

- * B.S. Construction Science
- * B.S. Mechanical Engineering

MSCS PARTICIPATING SCHOOLS: Melrose HS, Trezevant HS, & Whitehaven HS

LOCAL EMPLOYERS: A-1 Electrical Contractors, Air Technical, American Fire Protection, Inc., Craftsmen Contractors, LLC., Johnson Controls, Precise Contracting, State Systems, Inc., Tennessee Builders Education Foundation, TopCat Masonry