



**Business & Industry Endorsement  
Architecture & Construction**

**Construction Technology**

The Construction Technology program of study explores the occupations and educational opportunities related to constructing, installing or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters and stairways).

| Levels  | Courses  | Supporting Courses   |
|---------|--|--|
| Level 1 | <b>Principles of Construction</b><br>1824CT / 9-12<br><i>NCCER Core Certification Possible</i>   | <b>Principles of Architecture</b><br>1819CT / 9-12   |
| Level 2 | <b>Construction Technology I</b><br>1820CA/CB / 10-12<br><i>Prerequisite: Principles of Construction</i><br><i>Local Certification Possible</i>                                    | <b>TCC CNBT 1300 Residential &amp; Light Commercial Blue Print Reading</b><br>0194 / 10-12<br><i>Prerequisite: No TSI Requirement</i><br><b>TCC CNBT 1316 Construction Technology I</b><br>0195 / 10-12<br><i>Prerequisite: No TSI Requirement</i> |
| Level 3 | <b>Construction Technology II</b><br>1825CA/CB / 11-12<br><i>Prerequisite: Construction Technology I</i><br><i>OSHA 10 Hour AND NCCER Construction Tech Certification Possible</i> | <b>TCC CNBT 1110 Basic Construction Safety</b><br>0198 / 11-12<br><i>Prerequisite: No TSI Requirement</i><br><b>TCC CNBT 1350 Construction Technology II</b><br>0199 / 11-12<br><i>Prerequisite: No TSI Requirement</i>                            |
| Level 4 | <b>Practicum in Construction Technology</b><br>1827CA/CB / 12<br><i>Prerequisite: Construction Technology II</i>   | Upon completion of all 4 TCC CNBT courses, students will earn a Residential/Commercial Site Layout & Frammer Assistant Occupational Skills Award from TCC  |

|                        |                        |                       |                       |                                |
|------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| 1 Semester Home Campus | 2 Semester Home Campus | 1 Semester Ben Barber | 2 Semester Ben Barber | College Course Weighted Credit |
|------------------------|------------------------|-----------------------|-----------------------|--------------------------------|

| Occupation      | Median Wage | Annual Openings | % Growth |
|-----------------|-------------|-----------------|----------|
| Carpenters      | \$35,922    | 5,031           | 26%      |
| Cost Estimators | \$63,939    | 2,239           | 21%      |

**Industry Based Certifications**

**NCCER Core**

Principles of Construction

The NCCER Core is a prerequisite to all other Level 1 craft curriculum. The learning objectives and performance tasks cover topics such as Basic Safety, Communication Skills and Instruction to Construction Drawings.

**NCCER Construction Technology**

Construction Technology II

This certification will ground the trainee in the basic knowledge and principles of carpentry, masonry, concrete finishing, electrical work, HVAC and plumbing. Students will be skilled in different phases of a project from start to finish.

**Supporting Certifications**

**OSHA 10 Hour Certification**

Construction Technology II

The 10 Hour Construction Safety certification is intended to provide an entry level construction worker's general awareness on recognizing & preventing hazards on the job.

*The district will pay 100% of the cost of the certification test if students can show mastery by passing a certification practice test AND maintain an 80+ overall course grade at the time of the certification test. If students don't meet the requirements above, they must pay 100% of the cost of the certification test.*

To earn an endorsement, an MISD student must complete a coherent sequence for 4 or more credits that consist of 2 courses in the same program of study including at least 1 advanced CTE course