



Principles of Construction

Level 1

Masonry Technology I

Level 2

Masonry Technology II

Level 3

Practicum in Masonry Technology
Practicum in Construction Technology

Level 4

Practicum in Entrepreneurship
Career Preparation I

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
NCCER Masonry, Level 1 & 2	Structural Masonry Special Inspector	Mason/Masonry	Construction Science	Construction Management
NCCER Core Curriculum	Structural Steel and Bolting Special Inspector			
NCCER Construction Technology, Level 1	Masonry Contractor			
NCCER Weatherization, Level 1	Masonry Field Testing Technician			

Occupations	Median Wage	Annual Openings	% Growth
Brickmasons and Blockmasons	\$44,013	605	47%
Cement Masons and Concrete Finishers	\$32,739	2,883	12%
Cost Estimators	\$63,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Job shadow a brickmason, stonemason, or ironworker. SkillsUSA	Intern with a person working within masonry.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Masonry program of study explores the occupations and educational opportunities related to laying and binding materials, such as brick, structural tile, concrete block, and other types of mortar and substances to construct or repair walls and other structures. This program of study may also include exploration into raising and uniting iron or steel to form completed structures or structural frameworks, and building structures using stone.



The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Successful completion of the Masonry program of study will fulfill requirements of the Business and Industry Endorsement.
Revised - July 2020



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Construction	13004220 (1 credit)	None	9-12
Masonry Technology I	13006300 (2 credits)	None	10-12
Masonry Technology II	13006400 (2 credits)	PREQ: Masonry Technology I	11-12
Practicum in Masonry Technology	13006450 (2 credits) 13006455 (3 credits) 13006460 (2 credits) 13006465 (3 credits)	PREQ: Masonry Technology II	12
Practicum in Construction Technology	13005250 (2 credits) 13005255 (3 credits) 13005260 (2 credits) 13005265 (3 credits)	PREQ: Construction Technology II; Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing Technology I; or Mill and Cabinetmaking Technology	12
Practicum in Entrepreneurship	N1303425 (2 credits)	None	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER,
PLEASE CONTACT: CTE@tea.texas.gov
<https://tea.texas.gov/cte>