

Masonry/Building Trades Standard Certificate

Brick masons are craftspeople who construct walls, partitions, fireplaces, chimneys, and other structures from brick, concrete and cinder block, tile, and stone. Bricklaying requires careful, accurate work so that the structure has a neat and uniform appearance; is aligned with windows, doors, and other openings; thus preventing excessive waste and cutting. Craftspeople in this trade use the following tools: chisels, trowels, jointers, gauge lines, plumb bobs, and mason's levels. Helpers, who supply the mason with bricks, mix mortar, and set up/move to scaffold, usually assist bricklayers. Masons and bricklayers work on both new building construction and remodeling projects. Recipients of Standard Certificates from this program receive instruction that provides various opportunities to gain masonry/ bricklaying skills and to practice these skills in practical situations. Employment opportunities are strong for certificate recipients in this program, both locally and nationwide due to the need for new construction and renovation.

NOTES:

- * Curriculum display is subject to change; however, courses will be offered to meet degree requirements
- * Student competence in the basic use of computers is accomplished within ENG 100.
- * Student competence in Oral Communications is accomplished within discipline-specific courses.

Program: [Masonry/Building Trades](#)

Type: Standard Certificate

Area I: Written Composition

Item #	Title	Credits
ENG 100	Vocational Technical English I	3

Area III: Natural Sciences and Mathematics

Item #	Title	Credits
MAH 101	Introductory Mathematics I	3

Area V: Additional General Education Courses, Major Courses and Electives

Item #	Title	Credits
MAS 111	Masonry Fundamentals I	3
MAS 121	Brick/Block Masonry	3
MAS 131	Residential/Commercial	3
MAS 151	Masonry Fundamentals Lab	3
MAS 161	Concrete Block Masonry	3
MAS 162	Brick Masonry Lab	3
MAS 171	Residential/Commercial	3
MAS 181	Special Topics in Masonry	3
MAS 182	Special Topics in Masonry	3
MAS 183	Special Topics in Masonry	3
MAS 211	Stone Masonry I	3
MAS 221	Specialized Masonry	3
MAS 231	Basic Cement Masonry	3
MAS 252	Fireplace Construction	3
MAS 253	Brick Arches Lab	3
MAS 271	Basic Cement Masonry Lab	3
ORI 101	Orientation to College	2
Total credits:		56