

# Masonry



Brick is man's oldest manufactured product. Many of the world's significant architectural achievements were built with masonry. The skill and precision of the mason can never be replaced by machines.

The common clay brick is heated to over a thousand degrees centigrade.

# MASONRY

## GENERAL KNOWLEDGE

### Course Length

935 Hours

### Who Can Enroll

Adults

### Schedule

Monday - Friday  
8:50 AM - 11:35AM  
and/or 12:15 PM -  
3:00 PM

### Full Time

\$8,724.00

### Books & Fees

\$300.00

### Equipment & Clearances

\$396.00

### Total

\$9,420.00

### Average Pennsylvania Salary

\$26.36 Hour



Bricklaying is a skill that can be said to be the building block of much of our world. The bricklayer works on everything from our homes to commercial buildings and the walls that surround them.

It is an occupation that requires an ability to follow building design plans precisely through measuring and then constructing in strict accordance with the architect's plans and local government regulations. It is equally important to execute those plans with high quality professional bricklaying skills.

### HELPFUL ATTRIBUTES & ABILITIES

- Enjoy practical work
- Able to work at heights and outdoors
- Good hand-eye coordination
- Technical aptitude
- Team player yet independent too
- Physically fit

Tuition, fees, career majors, courses and hours are subject to change without notice.

# MASONRY

## COURSE HIGHLIGHTS



**W**  
**A**  
**C**  
**T**  
**C**

WACTC has a long and storied history of success. The Masonry program was developed to meet the demands of local businesses who continuously have a need for talented craftsman. Their expertise was instrumental in creating the final product.

### COURSE HIGHLIGHTS

Arches \* Block (Various Sizes) \* Brick (Various Types) \* Corners  
Line Work \* Masonry Saw \* Mortar Mixer Piers \* Plaster \*  
Stone \* Tile Saw

### THE WACTC WAY

Part science, part construction, with a big dose of artistry, the mason combines form and function. The WACTC way is a three step process: the instructor will lead with lecture, follow with demonstration and the student applies the lesson.

# MASONRY

## FREQUENTLY ASKED QUESTIONS



### Q. How long is the course?

WACTC has just opportunity for Masonry instruction. Our daytime program runs for one scholastic year and starts in late August this year. You will attend Monday through Friday from roughly 9:00 AM to 3:00 PM or a total of 935 hours of instruction

### Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. The Masonry program is \$9,420.00. Financial aid may be available to those who qualify. We have financial experts on staff to assist you in the process.

### Q. Are there job opportunities for me when I'm finished?

There are several opportunities to start a career in masonry since today the masonry industry is facing a shortage of skilled employees. As a trained and skilled mason, you will have the job security that promises a lucrative career for years to come. As a WACTC graduate, the contributions you make will last for generations. Masons work with brick, concrete block, glass block, tile, terra cotta and stone. Work can be simple, as in building a wall, or complex, as in installing an ornate exterior or constructing a skyscraper. No matter what the job, the skill and precision required by a mason cannot be replaced by machines.

W  
A  
C  
T  
C

# MASONRY

## FACTS & FIGURES

# W A C T C



### COURSE OBJECTIVE:

Students will obtain the education and skills to work as a Mason with emphasis placed on leadership skills and a strong work ethic.

### COURSE DESCRIPTION:

This program prepares students in brick, block, stone, concrete, tuck pointing, ceramic tile and artificial stone construction. Students learn the types and sizes of masonry materials, various applications for materials, blueprint reading, masonry symbols, use of measuring instruments, leveling instruments, layout and design, bonds, hand tools, masonry equipment, mortar mixing, concrete mixing, estimation, practical problems in Mathematics, preparation of material lists, masonry saw, tile saw, 14" dry cut saw, hammer drill, demolition, fireplaces, chimneys, barbecue fireplace, steps, walls, scaffold construction, etc..

### COURSE TOPICS:

Arches | Block | Brick (Various Types) | Brick Bonds | Concrete Block | Corners | Line Work | Masonry Saw | Mortar Mixer Piers | Plaster | Quoined Corners | Safety | Stone | Tile Saw | Veneer | Windows

### SPECIALIZED SHOP EQUIPMENT:

Builder's Level | Concrete Mixers | Demolition Hammer | Dry Cut Saw with Diamond Blade Hammer Drill | Masonry Saw | Mortar Mixers | Scaffold and Planks | Tile Saw