

# CONSTRUCTION MASONRY, BASIC CERTIFICATE



College(s): KK

Program Code: 0759

The Basic Certificate in Construction Masonry is designed to prepare students for employment in the residential and commercial masonry sector of the construction industry. Through theory, lectures and hands on work, students are trained in the skills needed to gain proficiency in brick, concrete, stonework, block and form work. With training on the proper use and maintenance of tools and job safety, completion of this certificate will prepare students for a career as an industry apprentice, journeyman mason, job site foreman, or contractor.



## Program Requirements effective Fall 2023

Code	Title	Hours
<b>Required Program Core</b>		
332TECH 409	Construction Safety	1
332TECH 427	Masonry Tools & Equipment	2
332TECH 428	Mortar	3
332TECH 429	Basic Math & Specifications	2
332TECH 430	Masonry Installations Procedures	3
332TECH 440	Introduction to Construction Masonry	4
332TECH 472	Vocational Physical Training	2
332TECH 767	Blueprint Reading I	2
330BSCM 532	Basic Computer Technology	1
Total Hours		20

## Program Requirements prior to Fall 2023

Code	Title	Hours
<b>Required Program Core</b>		
332TECH 409	Construction Safety	1
332TECH 427	Masonry Tools & Equipment	2
332TECH 428	Mortar	3
332TECH 429	Basic Math & Specifications	2
332TECH 430	Masonry Installations Procedures	3
332TECH 440	Introduction to Construction Masonry	4
332TECH 448	Vocational Physical Training I	1
332TECH 462	Vocational Physical Training II	1
332TECH 463	Vocational Physical Training III	1
332TECH 767	Blueprint Reading I	2
330BSCM 532	Basic Computer Technology	1
Total Hours		21

## Pathway

This is an **example course sequence** for students interested in earning the Basic Certificate (BC) in Construction Masonry. If this pathway is followed as outlined, you will earn a BC. This does not represent a contract, nor does it guarantee course availability.

## Semester-by-Semester Program Plan for Full-Time Students - effective Fall 2023

Semester 1	Hours
<b>PHASE 1</b>	
332TECH 409	Construction Safety 1

332TECH 428	Mortar	3
332TECH 429	Basic Math & Specifications	2
332TECH 440	Introduction to Construction Masonry	4
332TECH 472	Vocational Physical Training	2
<b>PHASE 2</b>		
330BSCM 532	Basic Computer Technology	1
332TECH 427	Masonry Tools & Equipment	2
332TECH 430	Masonry Installations Procedures	3
332TECH 767	Blueprint Reading I	2
Hours		20
Total Hours		20

Choose your courses with your College Advisor.

## Semester-by-Semester Program Plan for Full-Time Students - prior to Fall 2023

Course	Title	Hours
<b>Semester 1</b>		
<b>PHASE 1</b>		
332TECH 409	Construction Safety	1
332TECH 427	Masonry Tools & Equipment	2
332TECH 429	Basic Math & Specifications	2
332TECH 440	Introduction to Construction Masonry	4
332TECH 448	Vocational Physical Training I	1
<b>PHASE 2</b>		
332TECH 428	Mortar	3
332TECH 462	Vocational Physical Training II	1
332TECH 767	Blueprint Reading I	2
<b>PHASE 3</b>		
330BSCM 532	Basic Computer Technology	1
332TECH 430	Masonry Installations Procedures	3
332TECH 463	Vocational Physical Training III	1
Hours		21
Total Hours		21

## Careers

This program can prepare students for the jobs listed below. Click on each one to learn more, including average earnings, annual job openings, and how much education people in that field have. For additional guidance and resources on career options, current City Colleges students and alumni can contact the Career Services Office (<https://www.ccc.edu/departments/Pages/Career-Services.aspx>).

## Cement Masons and Concrete Finishers

### Job Description

Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; and use saws to cut expansion joints.

### Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

### Annual Wages

Entry-Level 10 <sup>th</sup> Percentile	\$35,227
Median 50 <sup>th</sup> Percentile	\$80,195
Senior-Level 90 <sup>th</sup> Percentile	\$103,644

### Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$17
Median 50 <sup>th</sup> Percentile	\$39
Senior-Level 90 <sup>th</sup> Percentile	\$50

### Annual Job Openings

161 annual openings in Cook County

### National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	86.72%
A certificate	12.65%
Some college	0.00%
An Associate degree	0.62%
A Bachelor's degree	0.00%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

0.00% continue their education beyond an associate degree

## Brickmasons and Blockmasons

### Job Description

Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances, to construct or repair walls, partitions, arches, sewers, and other structures.

### Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

### Annual Wages

Entry-Level 10 <sup>th</sup> Percentile	\$45,984
Median 50 <sup>th</sup> Percentile	\$74,249
Senior-Level 90 <sup>th</sup> Percentile	\$102,034

### Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$22
Median 50 <sup>th</sup> Percentile	\$36
Senior-Level 90 <sup>th</sup> Percentile	\$49

Annual Job Openings

110 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	83.90%
A certificate	0.00%
Some college	13.38%
An Associate degree	2.71%
A Bachelor's degree	0.00%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

0.00% continue their education beyond an associate degree

Stonemasons  
Job Description

Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks, and floors.

Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

Annual Wages

Entry-Level 10 <sup>th</sup> Percentile	\$21,490
Median 50 <sup>th</sup> Percentile	\$33,440
Senior-Level 90 <sup>th</sup> Percentile	\$62,949

Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$10
Median 50 <sup>th</sup> Percentile	\$16
Senior-Level 90 <sup>th</sup> Percentile	\$30

Annual Job Openings

5 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	70.47%
A certificate	29.53%
Some college	0.00%
An Associate degree	0.00%

A Bachelor's degree	0.00%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

0.00% continue their education beyond an associate degree