

# MASTER BUILDER, ADVANCED CERTIFICATE



College(s): KK

Program Code: 0527

The Master Builder Advanced Certificate program at Dawson Technical Institute (DTI) equips students with a comprehensive skillset in carpentry, masonry, and plumbing, paving the way for lucrative and fulfilling careers in the construction industry. This innovative program integrates theoretical knowledge with hands-on training, preparing graduates for success in various construction-related roles.

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
332TECH 410	Interior Construction I	4
332TECH 428	Mortar	3
332TECH 429	Basic Math & Specifications	2
332TECH 430	Masonry Installations Procedures	3
332TECH 432	Basic Arc Welding	2
332TECH 434	Introduction To Plumbing	3
332TECH 436	Plumbing Codes	1
332TECH 438	Intro To Fire Protection	3
332TECH 439	Home Plumbing System	4
332TECH 440	Introduction to Construction Masonry	4
332TECH 449	Professional Development	2
332TECH 452	Basic Electrical Theory	3
332TECH 472	Vocational Physical Training	2
332TECH 581	Concrete Framing	2
332TECH 582	Residential Carpentry	2
432CMGT 604	Blueprint and Specifications	3
432CMGT 609	Construction Safety II	3
332TECH 715	Intro o Hand and Power Tools	1

CIS 120	Introduction to Computer Applications	3
<b>Total Hours</b>		<b>50</b>

## Pathway

This is an example course sequence for students interested in pursuing Master Builder. This does not represent a contract or guarantee course availability. If this pathway is followed as outlined, students will earn an Advanced Certificate (AC) in Master Builder.

## Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Semester 1		Hours
<b>Phase I</b>		
332TECH 429	Basic Math & Specifications	2
332TECH 434	Introduction To Plumbing	3
332TECH 440	Introduction to Construction Masonry	4
332TECH 715	Intro o Hand and Power Tools	1
432CMGT 609	Construction Safety II	3
<b>Phase II</b>		
332TECH 432	Basic Arc Welding	2
332TECH 452	Basic Electrical Theory	3
332TECH 581	Concrete Framing	2
432CMGT 604	Blueprint and Specifications	3
CIS 120	Introduction to Computer Applications	3
<b>Hours</b>		<b>26</b>
<b>Semester 2</b>		
<b>Phase III</b>		
332TECH 410	Interior Construction I	4
332TECH 430	Masonry Installations Procedures	3
332TECH 436	Plumbing Codes	1
332TECH 472	Vocational Physical Training	2
332TECH 582	Residential Carpentry	2
<b>Phase IV</b>		

332TECH 428	Mortar	3
332TECH 438	Intro To Fire Protection	3
332TECH 439	Home Plumbing System	4
332TECH 449	Professional Development	2
<b>Hours</b>		<b>24</b>
<b>Total Hours</b>		<b>50</b>

Choose your courses with your College Advisor.

## 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>).

## Helpers--Carpenters

### Job Description

Help carpenters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.

### 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	\$35,913
Median 50 <sup>th</sup> Percentile	\$42,156
Senior-Level 90 <sup>th</sup> Percentile	\$68,548

#### Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$17
Median 50 <sup>th</sup> Percentile	\$20
Senior-Level 90 <sup>th</sup> Percentile	\$33

### Annual Job Openings

13 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	78.94%
A certificate	3.10%
Some college	17.96%
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

## Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters

### Job Description

Help plumbers, pipefitters, steamfitters, or pipelayers by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.

### 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	\$34,882
Median 50 <sup>th</sup> Percentile	\$46,753
Senior-Level 90 <sup>th</sup> Percentile	\$69,165

#### Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$17
Median 50 <sup>th</sup> Percentile	\$22
Senior-Level 90 <sup>th</sup> Percentile	\$33

### Annual Job Openings

34 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	54.29%
A certificate	26.83%
Some college	9.18%
An Associate degree	0.00%
A Bachelor's degree	0.00%
A Master's or Professional degree	9.69%
A Doctoral degree or more	0.00%

9.69% continue their education beyond an associate degree

## 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	\$43,748
Median 50 <sup>th</sup> Percentile	\$78,515
Senior-Level 90 <sup>th</sup> Percentile	\$109,118

Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$21
Median 50 <sup>th</sup> Percentile	\$38
Senior-Level 90 <sup>th</sup> Percentile	\$52

Annual Job Openings

127 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