

# ELECTRICAL CONSTRUCTION TECHNOLOGY, ADVANCED CERTIFICATE



College(s): DA

Program Code: 0721

The Advanced Certificate program in Electrical Construction Technology prepares students to become an apprentice under the tutelage of a union electrical contractor. Electricians assemble, install, maintain, and test electrical equipment and wiring systems in residential, commercial, and industrial settings.

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
432IBEW 702	Electrical Circuitry	4.5
432IBEW 703	Conduit Bending I	3.5
432IBEW 704	Construction Technology	4.5
432IBEW 705	Print Reading I	3.5
432IBEW 706	Conduit Bending II	3.5
432IBEW 708	Motor Control Systems	3.5
432IBEW 709	Print Reading II	3
432IBEW 714	Technical Math I	3
432IBEW 715	Technical Math II	3

432IBEW 725	Low Voltage Systems	3.5
<b>Total Hours</b>		<b>35.5</b>

## 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--Electricians Job Description

Help electricians 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	\$25,036
Median 50 <sup>th</sup> Percentile	\$41,019
Senior-Level 90 <sup>th</sup> Percentile	\$65,954

### Hourly Wages

Entry-Level 10 <sup>th</sup> Percentile	\$12
Median 50 <sup>th</sup> Percentile	\$20
Senior-Level 90 <sup>th</sup> Percentile	\$32

### Annual Job Openings

19 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	81.50%
A certificate	13.03%
Some college	2.84%
An Associate degree	1.33%
A Bachelor's degree	1.30%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

1.30% continue their education beyond an associate degree