

ELECTRICAL CONSTRUCTION TECHNOLOGY, BASIC CERTIFICATE



College(s): DA

Program Code: 0703

The Basic 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.

This selective admissions program requires students to submit a separate application or to take additional action before enrolling.

Program Requirements

Code	Title	Hours
Required Program Core		
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 714	Technical Math I	3
Total Hours		19

Applicants must meet the following requirements:

- Graduate of an accredited high school or have acceptable scores on the General Education Development (GED) test. Foreign and domestic high school education or domestic GED must be validated by official transcripts. Official transcripts will be accepted in place of the high school diploma if the graduation date is provided.
- At least 18 years old prior to application.
- Have taken two semesters of high school or college algebra and earned a minimum "C" grade in each semester, #completed# prior to application. An official transcript is required.
- Be physically able, as determined by a physician, to safely perform the tasks of a construction electrician. A drug test is required.
- Have evidence of a qualifying grade on an aptitude test prescribed by the EJATT Local Union 134. The aptitude test covers English and Mathematics comprehension along with a spatial ability evaluation.

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 th Percentile	\$31,408
Median 50 th Percentile	\$37,398
Senior-Level 90 th Percentile	\$57,943

Hourly Wages

Entry-Level 10 th Percentile	\$15
Median 50 th Percentile	\$18
Senior-Level 90 th Percentile	\$28

Annual Job Openings

32 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