

ELECTRICAL CONSTRUCTION TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



College(s): DA

Program Code: 0752

The Associate in Applied Science degree program in Electrical Construction Technology is a cooperative effort between Richard J. Daley College and the Electrical Joint Apprenticeship and Training Trust (EJATT) which is made up of the National Electrical Contractors Association (NECA) and the International Brotherhood of Electrical Workers (IBEW) Local Union 134. Through the joint effort of the college and EJATT, the program is dedicated to consistently providing state-of-the-art education and training to apprentices, and through them to the residential and commercial building contractors in the Chicagoland area. This commitment to both the individual and industry requires not only providing electricians for today's market, but also looking toward tomorrow's market and future technologies.

Program Requirements

Code	Title	Hours
General Education Coursework		
ENGLISH 101	Composition	3
Any History, Psychology, or related course		9
432IBEW 714	Technical Math I	3
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 706	Conduit Bending II	3.5
432IBEW 708	Motor Control Systems	3.5
432IBEW 709	Print Reading II	3
432IBEW 710	Programmable Control	4.5
432IBEW 712	HVAC Systems	4.5
432IBEW 715	Technical Math II	3
432IBEW 724	Electrical Power Systems	4.5
432IBEW 725	Low Voltage Systems	3.5
432IBEW 727	Photovoltaic Systems	4.5

Total Hours **65.5**

At least one course must meet the Human Diversity (HD) requirement.

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.

Some college	2.31%
An Associate degree	1.79%
A Bachelor's degree	0.00%
A Master's or Professional degree	1.31%
A Doctoral degree or more	0.00%

1.31% continue their education beyond an associate degree

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>).

Electricians

Job Description

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

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	\$45,836
Median 50 th Percentile	\$90,617
Senior-Level 90 th Percentile	\$121,691

Hourly Wages

Entry-Level 10 th Percentile	\$22
Median 50 th Percentile	\$44
Senior-Level 90 th Percentile	\$59

Annual Job Openings

868 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	32.89%
A certificate	61.71%