

COMMUNICATIONS TECHNOLOGY, ADVANCED CERTIFICATE



College(s): DA

Program Code: 0709

The Advanced Certificate program in Communications Technology prepares students to become an apprentice under the tutelage of a union electrical contractor. Communications Journeyman and Apprentices install and maintain structured wiring and electronic systems in the residential, commercial, and industrial settings.

Program Requirements

Code	Title	Hours
Required Program Core		
432IBEW 704	Construction Technology	4.5
432IBEW 705	Print Reading I	3.5
432IBEW 709	Print Reading II	3
432IBEW 714	Technical Math I	3
432IBEW 715	Technical Math II	3
432IBEW 716	Electronics	4.5
432IBEW 717	Structured Wiring	4.5
432IBEW 718	Integrated Systems I	3.5
432IBEW 721	Fiber Optics	3.5
432IBEW 726	Low Voltage Systems Communications	3.5
Total Hours		36.5

Pathway

This is an **example course sequence** for students interested in pursuing Communications Technology. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn a Basic Certificate (BC) and an Advanced Certificate (AC) in Communications Technology.

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

Semester 1		Hours
432IBEW 704	Construction Technology	4.5
432IBEW 705	Print Reading I	3.5
432IBEW 714	Technical Math I	3
432IBEW 716	Electronics	4.5
432IBEW 717	Structured Wiring	4.5
Hours		20
Semester 2		Hours
432IBEW 718	Integrated Systems I	3.5
432IBEW 726	Low Voltage Systems Communications	3.5
432IBEW 721	Fiber Optics	3.5
432IBEW 715	Technical Math II	3
432IBEW 709	Print Reading II	3
Hours		16.5
Total Hours		36.5

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--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	\$25,036
Median 50 th Percentile	\$41,019
Senior-Level 90 th Percentile	\$65,954

Hourly Wages

Entry-Level 10 th Percentile	\$12
Median 50 th Percentile	\$20
Senior-Level 90 th 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