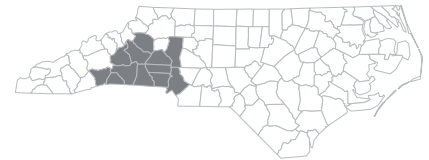


# THE ECONOMIC VALUE OF CLEVELAND COMMUNITY COLLEGE'S Electrical Lineworker Program



*The Electrical Lineworker program<sup>1</sup> was recently established in 2017. In FY 2019-20, CCC enrolled 89 students in the program.*



THE CCC SERVICE AREA, NC

## CAREER OUTLOOK

The Electrical Lineworker program can lead students into a number of occupations, which may include first-line supervisors of mechanics, installers, & repairers; electrical power-line installers & repairers; and telecommunications line installers & repairers. Many of the Electrical Lineworker program students will enter the CCC Service Area<sup>2</sup> workforce.

Using the regional number of annual openings for these occupations (283) and subtracting the FY 2019-20 Electrical Lineworker program students that may fill these openings (89), we arrive at a gap of 194 job openings.<sup>3</sup> There are 505 unique job postings at the associate degree or below for these occupations in the CCC Service Area. Top posting companies include United Parcel Service, Inc.; Utilities Service Company, Inc; and Charlotte-Mecklenburg Schools.

## ALUMNI IMPACT

Former students of CCC's Electrical Lineworker program added \$947.9 thousand in income to the CCC Service Area economy in FY 2019-20. This figure represents the increased wages collected by former students active today in the regional workforce as a direct result of their education, the increased output of businesses that employ these students, and the multiplier effects that occur.

### PROGRAM TO OCCUPATION MAPPING METRICS IN THE CCC SERVICE AREA

Number of occupations	3
Jobs (2020)	6,300
Projected avg. job growth (2020-2029)	+1.1%
Annual openings (2020)	283
Median annual wage (2020)*	\$64,967

\* The median annual wage reflects all award levels.

### ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings  
increase per completer  
**\$403.7 thousand**

Total alumni impact  
in FY 2019-20  
**\$947.9 thousand**

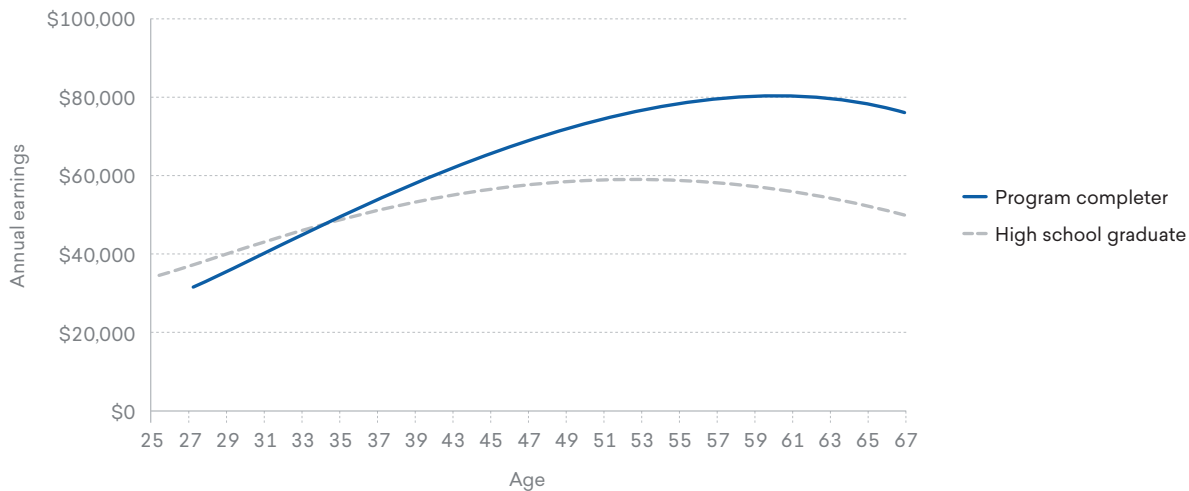


- 1 The Electrical Lineworker program is defined by the following Classification of Instructional Programs (CIP) code: Lineworker (46.0303).
- 2 For the purposes of this analysis, the CCC Service Area is defined as Burke, Caldwell, Catawba, Cleveland, Gaston, Henderson, Iredell, Lincoln, McDowell, Mecklenburg, Polk, and Rutherford Counties.
- 3 For the purposes of this analysis, only CCC students were considered when comparing to annual openings.

## STUDENT RETURN ON INVESTMENT

To complete the program, students experience costs in the form of tuition and fees, books and supplies, and the opportunity cost of attending school instead of working. In return for this investment, students can earn higher wages. For every dollar students invest in their education in the program, they will receive \$6.80 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 29.2%. This is an impressive return, especially when compared to the U.S. stock market 30-year average return of 10.6%.

LIFETIME EARNINGS OF A PROGRAM COMPLETER  
COMPARED TO A HIGH SCHOOL GRADUATE



## TAXPAYER BENEFITS

Taxpayers will receive an estimated present value of \$3.5 million in added tax revenue stemming from the students' higher lifetime earnings and the increased output of businesses. Savings to the public sector add another estimated \$106.2 thousand in benefits due to a reduced demand for government-funded social services in North Carolina. Throughout the students' working lives, North Carolina taxpayers will receive a total of \$3.6 million in benefits.

Throughout the students' working lives, **North Carolina taxpayers** gain in added tax revenue and public sector savings  
**\$3.6 million**

