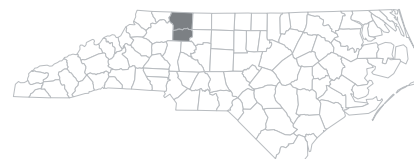


## THE ECONOMIC VALUE OF SURRY COMMUNITY COLLEGE'S

# Electrical Systems Technology Program



*The Electrical Systems Technology program<sup>1</sup> was established in 1968. In FY 2019-20, SCC enrolled 37 students in the program. Of these students, one graduated with a certificate and three graduated with an associate degree in FY 2019-20.*



THE SCC SERVICE AREA, NC

## CAREER OUTLOOK

The Electrical Systems Technology program can lead students into a number of occupations, which may include electricians; first-line supervisors of mechanics, installers, & repairers; and security & fire alarm systems installers. Many of the Electrical Systems Technology program students will enter the SCC Service Area<sup>2</sup> workforce.

Using the regional number of annual openings for these occupations (121) and subtracting the FY 2019-20 SCC completers that may fill these openings (four), we arrive at a gap of 117 job openings.<sup>3</sup> There are 129 unique job postings at the associate degree or below for these occupations in the SCC Service Area. The top three posting companies are Army National Guard; Utilities Service Company Inc; and Healthcare Services Group, Inc.

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

Number of occupations	18
Jobs (2020)	3,631
Projected avg. job growth (2020-2029)	+0.3%
Annual openings (2020)	121
Median annual wage (2020*)	\$36,972

\* The median annual wage reflects all award levels.aaa

## ALUMNI IMPACT

Former students of SCC's Electrical Systems Technology program added \$541.7 thousand in income to the SCC 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.

### ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings  
increase per completer  
**\$318.9 thousand**

Total alumni impact  
in FY 2019-20  
**\$541.7 thousand**

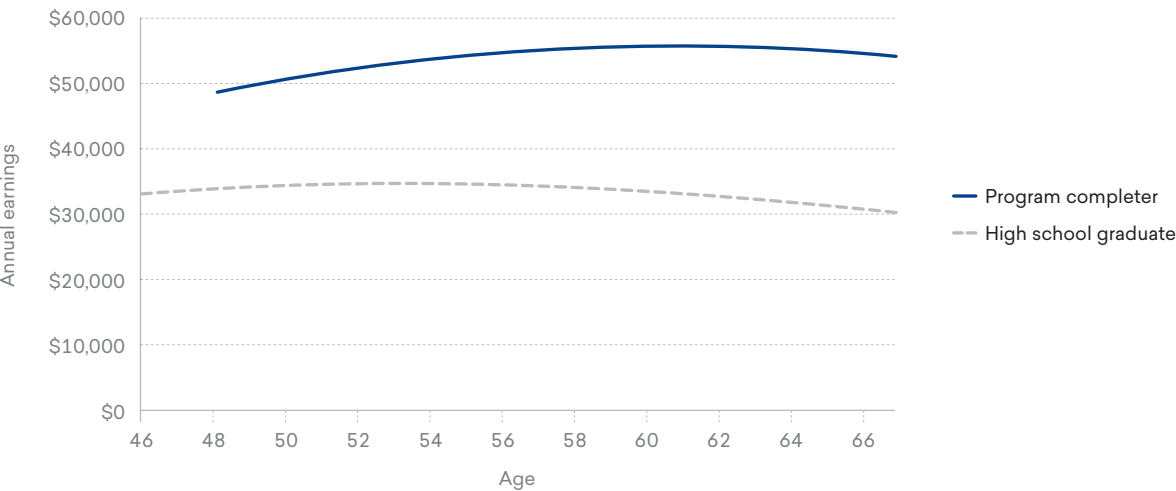


<sup>1</sup> The Electrical Systems Technology program is defined by the following Classification of Instructional Programs (CIP) codes: Electrical & Power Transmission Installation/Installer, General (46.0301), Lineworker (46.0303), Electrician (46.0302), Electrical & Power Transmission Installers, Other (46.0399), and Building/Property Maintenance (46.0401).  
<sup>2</sup> For the purposes of this analysis, the SCC Service Area is defined as Surry and Yadkin Counties.  
<sup>3</sup> For the purposes of this analysis, only SCC completers were considered when comparing to annual openings.

## STUDENT RETURN ON INVESTMENT

To earn a degree or certificate in 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 \$3.70 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 21.4%. 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 \$179.3 thousand 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 \$15.5 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 \$194.8 thousand in benefits.

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



**\$194.8 thousand**