

**THE ECONOMIC VALUE OF  
COASTAL CAROLINA COMMUNITY COLLEGE'S  
Electrical Systems Technology Program**



*The Electrical Systems Technology program<sup>1</sup> was established in 1985. In FY 2019-20, CCCC enrolled 22 students in the program. Of these students, 21 graduated with a certificate in FY 2019-20.*



ONSLOW COUNTY, NC

**CAREER OUTLOOK**

The Electrical Systems Technology program can lead students into a number of occupations, which may include electricians; first-line supervisors of construction trades & extraction workers; and signal & track switch repairers. Many of the Electrical Systems Technology program students will enter the Onslow County workforce.

Using the county number of annual job openings for these occupations (53) and subtracting the FY 2019-20 CCCC completers that may fill these openings (21), we arrive at a gap of 32 job openings.<sup>2</sup> There are 75 unique job postings at the associate degree or below for these occupations in Onslow County. The top companies posting include M.C. Dean, Inc.; R Q Construction, LLC; and Johnson Controls, Inc.

**ALUMNI IMPACT**

Former students of CCCC's Electrical Systems Technology program added \$352.4 thousand in income to the Onslow County economy in FY 2019-20. This figure represents the increased wages collected by former students active today in the county 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 MEASURES IN  
ONSLOW COUNTY**

Number of occupations	6
Jobs (2020)	1,412
Projected avg. job growth (2020-2029)	+0.2%
Annual openings (2020)	53
Median annual wage (2020)*	\$57,397

\* The median annual wage reflects all award levels.

**ALUMNI LIFETIME EARNINGS  
INCREASE AND IMPACT**

Lifetime earnings increase per completer

**\$292.9 thousand**

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Total alumni impact in FY 2019-20

**\$352.4 thousand**

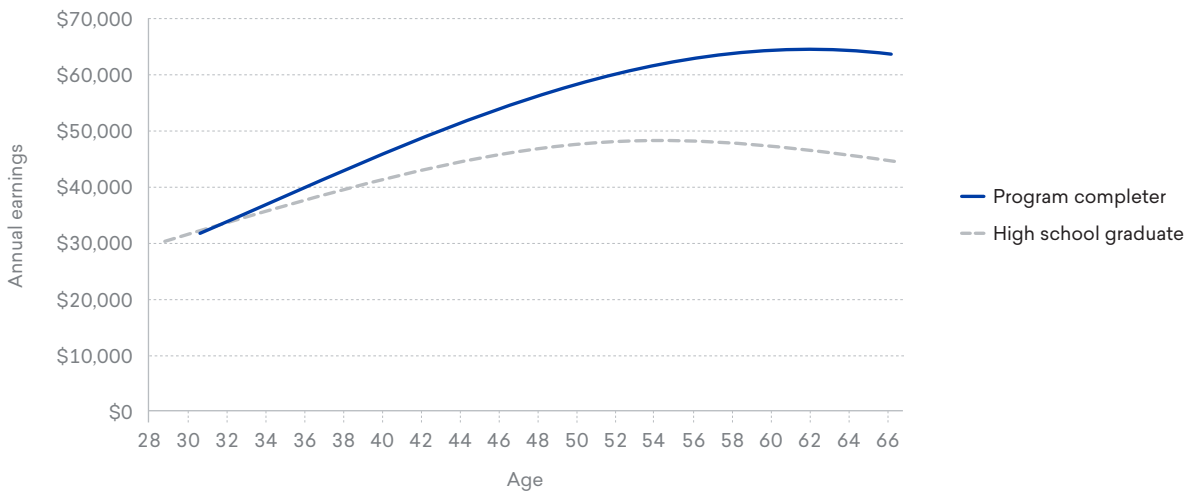


1 The Electrical Systems Technology program is defined by the following Classification of Instructional Programs (CIP) code: Electrician (46.0302).  
2 For the purposes of this analysis, only CCCC completers were considered when comparing to annual openings.

## STUDENT RETURN ON INVESTMENT

To earn a 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 \$6.00 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 26.5%. 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



Source: Emsi Burning Glass impact model.

## TAXPAYER BENEFITS

Taxpayers will receive an estimated present value of \$406.2 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 \$17.2 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 \$423.4 thousand in benefits.

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

**\$423.4 thousand**

