



## THE ECONOMIC VALUE OF MARTIN COMMUNITY COLLEGE'S

# Electrical Systems Technology Program



*The Electrical Systems Technology program<sup>1</sup> was recently established in 2013. In FY 2019-20, MCC enrolled 23 students in the program. Of these students, five graduated with a certificate and three graduated with an associate degree in FY 2019-20.*



THE MCC ECONOMIC  
IMPACT REGION, NC

## CAREER OUTLOOK

The Electrical Systems Technology program can lead students into a number of occupations, which may include first-line supervisors of construction trades & extraction workers; electricians; and helpers—electricians. Many of the Electrical Systems Technology program students will enter the MCC Economic Impact Region<sup>2</sup> workforce.

Using the regional number of annual openings for these occupations (81) and subtracting the FY 2019-20 MCC completers that may fill these openings (eight), we arrive at a gap of 73 job openings.<sup>3</sup> There are 97 unique job postings at the associate degree or below for these occupations in the MCC Economic Impact Region. The top companies posting include Nutrien; Weyerhaeuser Company; and Farrior Corp.

### PROGRAM TO OCCUPATION MAPPING MEASURES IN THE MCC ECONOMIC IMPACT REGION

Number of occupations	6
Jobs (2020)	1,957
Projected avg. job growth (2020-2029)	+0.8%
Annual openings (2020)	81
Median annual wage (2020)*	\$47,810

\* The median annual wage reflects all award levels.

## ALUMNI IMPACT

Former students of MCC's Electrical Systems Technology program added \$45.1 thousand in income to the MCC Economic Impact Region 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

**\$331.0 thousand**

Total alumni impact  
in FY 2019-20

**\$45.1 thousand**

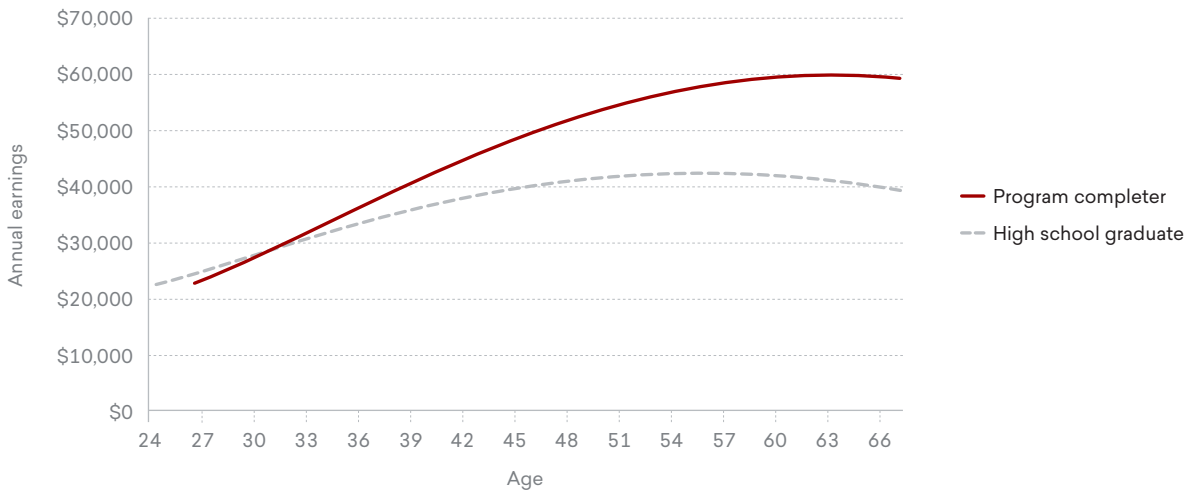


- 1 The Electrical Systems Technology program is defined by the following Classification of Instructional Programs (CIP) code: Electrician (46.0302).
- 2 For the purposes of this analysis, the MCC Economic Impact Region is defined as Martin, Bertie, Pitt, Edgecombe, Beaufort, and Washington Counties.
- 3 For the purposes of this analysis, only MCC 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 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 \$5.80 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 19.3%. 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 \$328.4 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 \$28.5 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 \$356.9 thousand in benefits.

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



**\$356.9 thousand**