

THE ECONOMIC VALUE OF MAYLAND COMMUNITY COLLEGE'S Electrical Technician Program



The Electrical Technician program¹ was recently established in 2019. In FY 2019-20, MCC enrolled 17 students in the program.



THE MCC SERVICE AREA, NC

CAREER OUTLOOK

The Electrical Technician program can lead students into a number of occupations, which may include first-line supervisors of construction trades & extraction workers; electricians; and first-line supervisors of mechanics, installers, & repairers. Many of the Electrical Technician program students will enter the MCC Service Area² workforce.

Using the regional number of annual openings for these occupations (14) and subtracting the FY 2019-20 Electrical Technician program students that may fill these openings (17), we arrive at a surplus of three students.³ There are 11 unique job postings at the associate degree or below for these occupations in the MCC Service Area. The top three posting companies are Bluegreen Corporation; Avery Maintenance; and Blue Ridge Regional Hospital, Inc.

ALUMNI IMPACT

Former students of MCC's Electrical Technician program added \$5.5 thousand in income to the MCC 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 MEASURES IN THE MCC SERVICE AREA

Number of occupations	6
Jobs (2020)	338
Projected avg. job growth (2020-2029)	+0.9%
Annual openings (2020)	14
Median annual wage (2020)*	\$45,889

* The median annual wage reflects all award levels.

ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings
increase per completer

\$160.9 thousand

Total alumni impact
in FY 2019-20

\$5.5 thousand



1 The Electrical Technician program is defined by the following Classification of Instructional Programs (CIP) code: Electrician (46.0302).

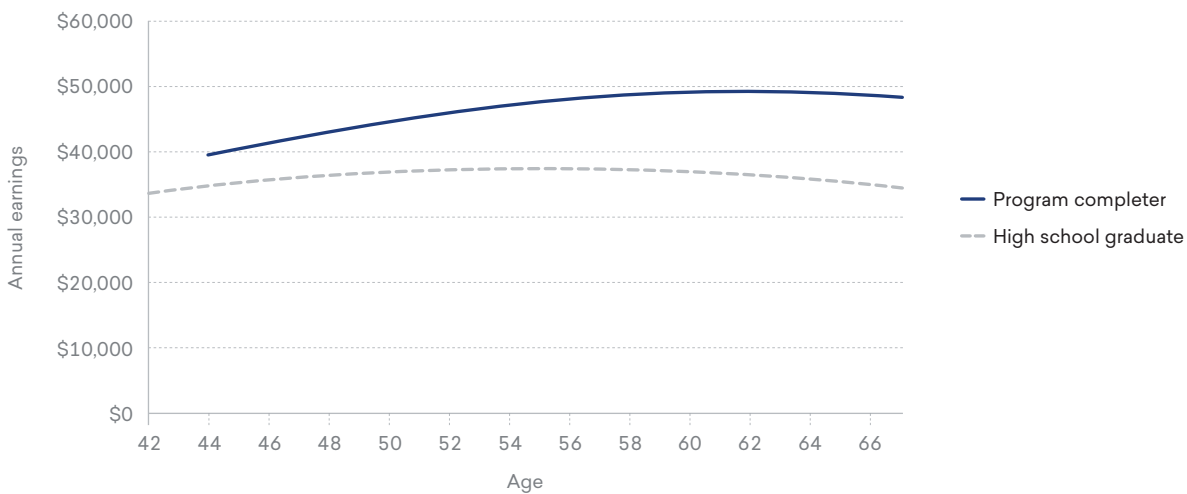
2 For the purposes of this analysis, the MCC Service Area is defined as Avery, Mitchell, and Yancey Counties.

3 For the purposes of this analysis, only MCC 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 \$4.50 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 35.0%. 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 \$43.4 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 \$3.6 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 \$47 thousand in benefits.

Throughout the students' working lives, **North Carolina taxpayers** gain in added tax revenue and public sector savings
\$47.0 thousand

