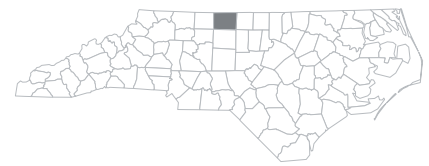


THE ECONOMIC VALUE OF ROCKINGHAM COMMUNITY COLLEGE'S Electrical Systems/Industrial Systems/HVAC Program



The Electrical Systems/Industrial Systems/HVAC program¹ was established in 1973. In FY 2019-20, RCC enrolled 144 students in the program. Of these students, nine graduated with a certificate and five graduated with an associate degree in FY 2019-20.



ROCKINGHAM COUNTY, NC

CAREER OUTLOOK

The Electrical Systems/Industrial Systems/HVAC program can lead students into a number of occupations, which may include electro-mechanical & mechatronics technologists & technicians; industrial engineering technologists & technicians; and first-line supervisors of construction trades & extraction workers. Many of the Electrical Systems/Industrial Systems/HVAC program students will enter the Rockingham County workforce.

Using the county number of annual job openings for these occupations (34) and subtracting the FY 2019-20 RCC completers that may fill these openings (14), we arrive at a gap of 20 job openings.² There are 65 unique job postings at the associate degree or below for these occupations in Rockingham County. The top three posting companies are Carolinas Constructions Solutions; City of Reidsville; and Army National Guard.

ALUMNI IMPACT

Former students of RCC's Electrical Systems/Industrial Systems/HVAC program added \$1.1 million in income to the Rockingham 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 METRICS IN ROCKINGHAM COUNTY

Number of occupations	16
Jobs (2020)	944
Projected avg. job growth (2020-2029)	+0.1%
Annual openings (2020)	34
Median annual wage (2020)*	\$42,503

* The median annual wage reflects all award levels.

ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings
increase per completer

\$289 thousand

Total alumni impact
in FY 2019-20

\$1.1 million



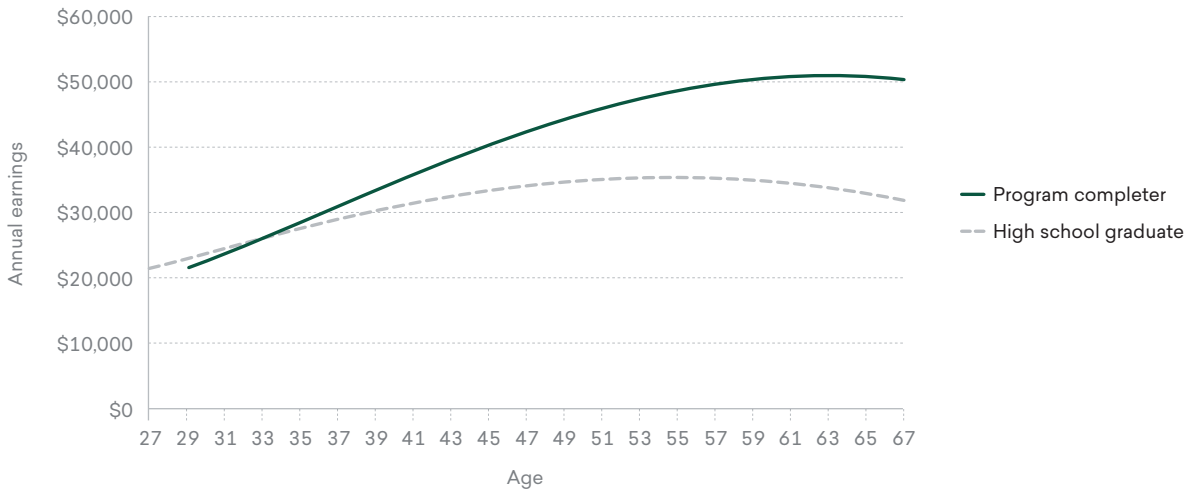
¹ The Electrical Systems/Industrial Systems/HVAC program is defined by the following Classification of Instructional Programs (CIP) codes: Electromechanical & Instrumentation & Maintenance Technologies/Technicians, Other (15.0499), Industrial Production Technologies/Technicians, Other (15.0699), Electrician (46.0302), Heating, and Air Conditioning, Ventilation & Refrigeration Maintenance Technology/Technician (47.0201).

² For the purposes of this analysis, only RCC 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 \$4.70 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 17.1%. 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 \$1.2 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 \$105.8 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 \$1.3 million in benefits.

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

\$1.3 million

