



THE ECONOMIC VALUE OF NASH COMMUNITY COLLEGE'S

Advanced Manufacturing Program



The Advanced Manufacturing program¹ was established in 1969. In FY 2019-20, NCC enrolled 91 students in the program. Of these students, seven graduated with a certificate and nine graduated with an associate degree in FY 2019-20.



NASH COUNTY, NC

CAREER OUTLOOK

The Advanced Manufacturing program can lead students into a number of occupations, which may include first-line supervisors of construction trades & extraction workers; reinforcing iron & rebar workers; and sheet metal workers. Many of the Advanced Manufacturing program students will enter the Nash County workforce.

Using the county number of annual job openings for these occupations (63) and subtracting the FY 2019-20 NCC completers that may fill these openings (16), we arrive at a gap of 47 job openings.² There are 75 unique job postings at the associate degree or below for these occupations in Nash County. The top three posting companies are: Cummins, Inc.; C & W Services, Inc.; and County of Nash.

ALUMNI IMPACT

Former students of NCC's Advanced Manufacturing program added \$1.7 million in income to the Nash 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 NASH COUNTY

Number of occupations	16
Jobs (2020)	1,740
Projected avg. job growth (2020-2029)	+0.4%
Annual openings (2020)	63
Median annual wage (2020)*	\$44,168

* The median annual wage reflects all award levels.

ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings
increase per completer

\$385.1 thousand

Total alumni impact
in FY 2019-20

\$1.7 million



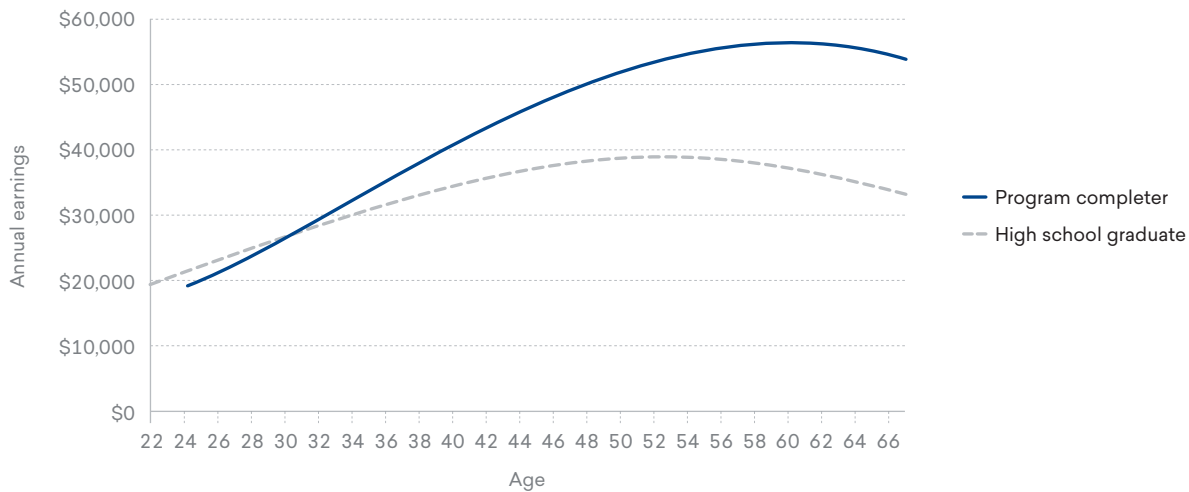
1 The Advanced Manufacturing program is defined by the following Classification of Instructional Programs (CIP) codes: Machine Shop Technology/Assistant (48.0503) and Welding Technology/Welder (48.0508).

2 For the purposes of this analysis, only NCC 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 \$4.20 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 14.4%. 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 \$1 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 \$95.2 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 \$1.1 million in benefits.

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



\$1.1 million