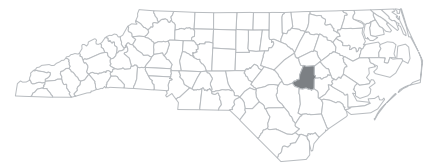


# THE ECONOMIC VALUE OF WAYNE COMMUNITY COLLEGE'S Applied Animal Science Technology Program



*The Applied Animal Science Technology program<sup>1</sup> was established in 1966. In FY 2019-20, WCC enrolled 57 students in the program. Of these students, seven graduated with a certificate and 10 graduated with an associate degree in FY 2019-20.*



WAYNE COUNTY, NC

## CAREER OUTLOOK

The Applied Animal Science Technology program can lead students into a number of occupations, which may include farmers, ranchers, & other agricultural managers; farm & home management educators; and animal breeders. Many of the Applied Animal Science Technology program students will enter the Wayne County workforce.

Using the county number of annual job openings for these occupations (31) and subtracting the FY 2019-20 WCC completers that may fill these openings (17), we arrive at a gap of 14 job openings.<sup>2</sup> The top posting companies are Butterball, LLC and Case Farms Processing, Inc.

### PROGRAM TO OCCUPATION MAPPING METRICS IN WAYNE COUNTY

Number of occupations	5
Jobs (2020)	1,065
Projected avg. job growth (2020-2029)	+0.4%
Annual openings (2020)	31
Median annual wage (2020)*	\$33,134

\* The median annual wage reflects all award levels.

## ALUMNI IMPACT

Former students of WCC's Applied Animal Science Technology program added \$187.8 thousand in income to the Wayne 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.

### ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings  
increase per completer

**\$336.6 thousand**

Total alumni impact  
in FY 2019-20

**\$187.8 thousand**



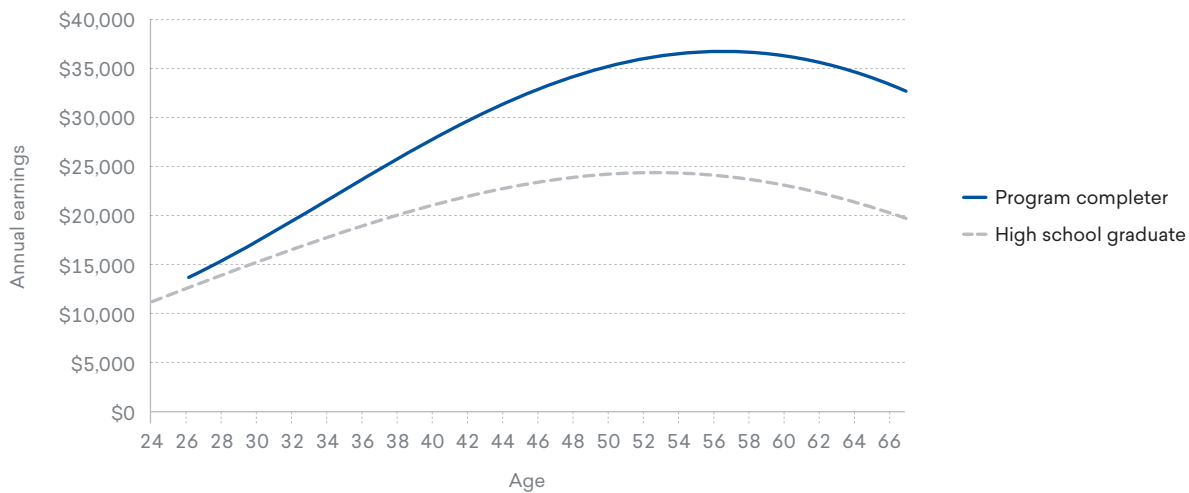
<sup>1</sup> The Applied Animal Science Technology program is defined by the following Classification of Instructional Programs (CIP) code: Animal/Livestock Husbandry & Production (01.0302).

<sup>2</sup> For the purposes of this analysis, only WCC 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 \$6.90 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 21.3%. 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



## TAXPAYER BENEFITS

Taxpayers will receive an estimated present value of \$458 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 \$35.2 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 \$493.2 thousand in benefits.

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



**\$493.2 thousand**