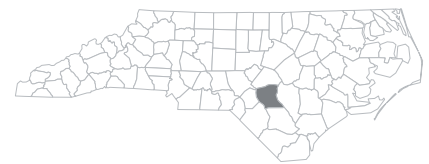**THE ECONOMIC VALUE OF FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE'S**

Information Technology/Systems Security and Analysis Program

The Information Technology/Systems Security & Analysis program[1] was established in 2004. In FY 2019-20, FTCC enrolled 171 students in the program. Of these students, nine graduated with a certificate and 24 graduated with an associate degree in FY 2019-20.

CUMBERLAND COUNTY, NC

CAREER OUTLOOK

The Information Technology/Systems Security & Analysis program can lead students into a number of occupations, which may include computer & information systems managers; computer systems analysts; and information security analysts. Many of the Information Technology/Systems Security & Analysis program students will enter the Cumberland County workforce.

Using the county number of annual openings for these occupations (63) and subtracting the FY 2019-20 FTCC completers that may fill these openings (33), we arrive at a gap of 30 job openings.[2] There are 338 unique job postings at the associate degree or below for these occupations in Cumberland County. The top three posting companies are General Dynamics Corporation; Caci International Inc; and Booz Allen Hamilton Holding Corporation.

ALUMNI IMPACT

Former students of FTCC's Information Technology/Systems Security & Analysis. program added $1.3 million in income to the Cumberland 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 CUMBERLAND COUNTY

Number of occupations	11
Jobs (2020)	3,175
Projected avg. job growth (2020-2029)	+0.4%
Annual openings (2020)	63
Median annual wage (2020)*	$80,141

* The median annual wage reflects all award levels.

ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings increase per completer

$707.9 thousand
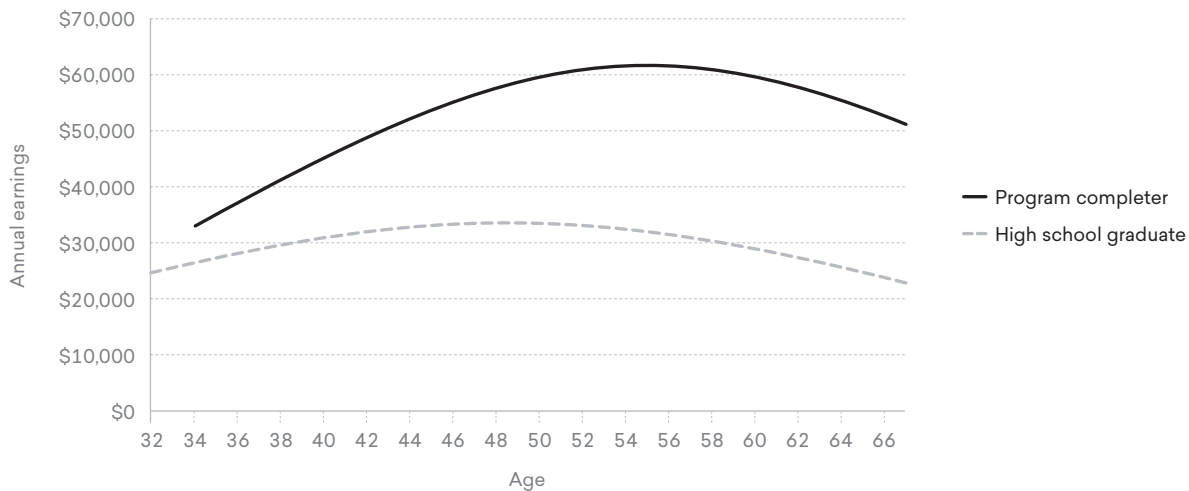
Total alumni impact in FY 2019-20

$1.3 million

1   The Information Technology/Systems Security & Analysis program is defined by the following Classification of Instructional Programs (CIP) code: Information Technology (11.0103).

2   For the purposes of this analysis, only FTCC 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 $7.50 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 26.8%. 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 $4.8 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 $188.6 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 $5 million in benefits.

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

$5 million