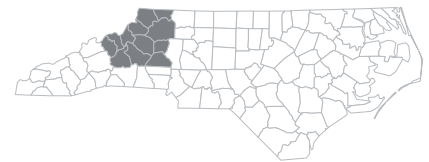


**THE ECONOMIC VALUE OF CALDWELL COMMUNITY COLLEGE AND TECHNICAL INSTITUTE'S Health Sciences Program**



*The Health Sciences program<sup>1</sup> was established in 1997. In FY 2019-20, CCC&TI enrolled 165 students in the program. Of these students, 16 graduated with a certificate and 62 graduated with an associate degree in FY 2019-20.*



THE NORTHWEST PROSPERITY ZONE, NC

**CAREER OUTLOOK**

The Health Sciences program can lead students into a number of occupations, which may include registered nurses; radiologic technologists & technicians; and ophthalmic medical technicians. Many of the Health Sciences program students will enter the Northwest Prosperity Zone<sup>2</sup> workforce.

Using the regional number of annual job openings for these occupations (132) and subtracting the FY 2019-20 CCC&TI completers that may fill these openings (78), we arrive at a gap of 54 job openings.<sup>3</sup> There are 1,415 unique job postings at the associate degree or below for these occupations in the Northwest Prosperity Zone. The top three posting companies are Bayada Home Health Care; Mission Hospital; and UNC Health Care.

**ALUMNI IMPACT**

Former students of CCC&TI's Health Sciences program added \$4.7 million in income to the Northwest Prosperity Zone 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 METRICS IN THE NORTHWEST PROSPERITY ZONE

Number of occupations	7
Jobs (2020)	4,860
Projected avg. job growth (2020-2029)	+0.9%
Annual openings (2020)	132
Median annual wage (2020)*	\$60,001

\* The median annual wage reflects all award levels.

ALUMNI LIFETIME EARNINGS INCREASE AND IMPACT

Lifetime earnings increase per completer  
**\$397.8 thousand**

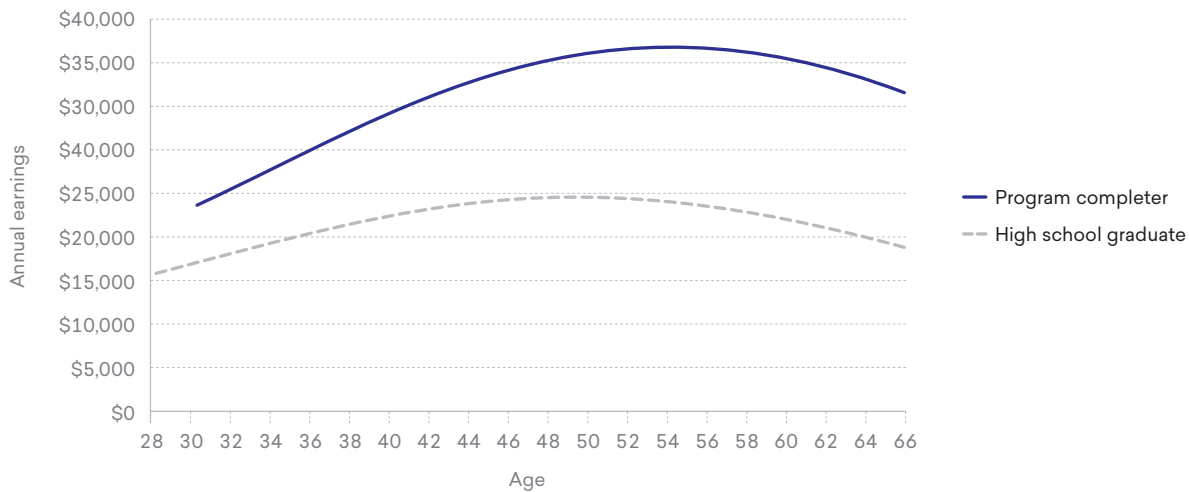
Total alumni impact in FY 2019-20  
**\$4.7 million**

1 The Health Sciences program is defined by the following CIP code: Physical Therapy Technician/Assistant (51.0806), Diagnostic Medical Sonography/Sonographer & Ultrasound Technician (51.0910), Allied Health Diagnostic, Intervention, and Treatment Professions, Other (51.0999), Speech-Language Pathology Assistant (51.0816), Radiologic Technology/Science - Radiographer (51.0911), and Ophthalmic Technician/Technologist (51.1803).  
2 For the purposes of this analysis, the Northwest Prosperity Zone is defined as Caldwell, Alexander, Alleghany, Ashe, Avery, Burke, Catawba, McDowell, Mitchell, Watauga, Wilkes, and Yancey Counties.  
3 For the purposes of this analysis, only CCC&TI 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 \$4.40 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 18.9%. 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 \$2.3 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 \$111.7 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 \$2.4 million in benefits.

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

**\$2.4 million**

