

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

# Emergency Medical Technician Program



*The Emergency Medical Technician program<sup>1</sup> was established in 1993. In FY 2019-20, MTCC enrolled 13 students in the program.*



MCDOWELL COUNTY, NC

## CAREER OUTLOOK

The Emergency Medical Technician program can lead students into a number of occupations, which may include emergency medical technicians & paramedics; first-line supervisors of firefighting & prevention workers; and ambulance drivers & attendants. Many of the Emergency Medical Technician program students will enter the McDowell County workforce.

Using the county number of annual openings for these occupations (three) and subtracting the FY 2019-20 Emergency Medical Technician program students who may fill these openings (13), we arrive at a surplus of 10 students.<sup>2</sup> The top three posting companies are Mission Health System, Inc; HCA Holdings, Inc.; and Suws of The Carolinas, Inc.

### PROGRAM TO OCCUPATION MAPPING MEASURES IN MCDOWELL COUNTY

|                                       |          |
|---------------------------------------|----------|
| Number of occupations                 | 4        |
| Jobs (2020)                           | 53       |
| Projected avg. job growth (2020-2029) | +1.5%    |
| Annual openings (2020)                | 3        |
| Median annual wage (2020)*            | \$30,278 |

\* The median annual wage reflects all award levels.

## ALUMNI IMPACT

Former students of MTCC's Emergency Medical Technician program added \$872.4 thousand in income to the McDowell 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  
**\$95.9 thousand**

Total alumni impact  
in FY 2019-20  
**\$872.4 thousand**



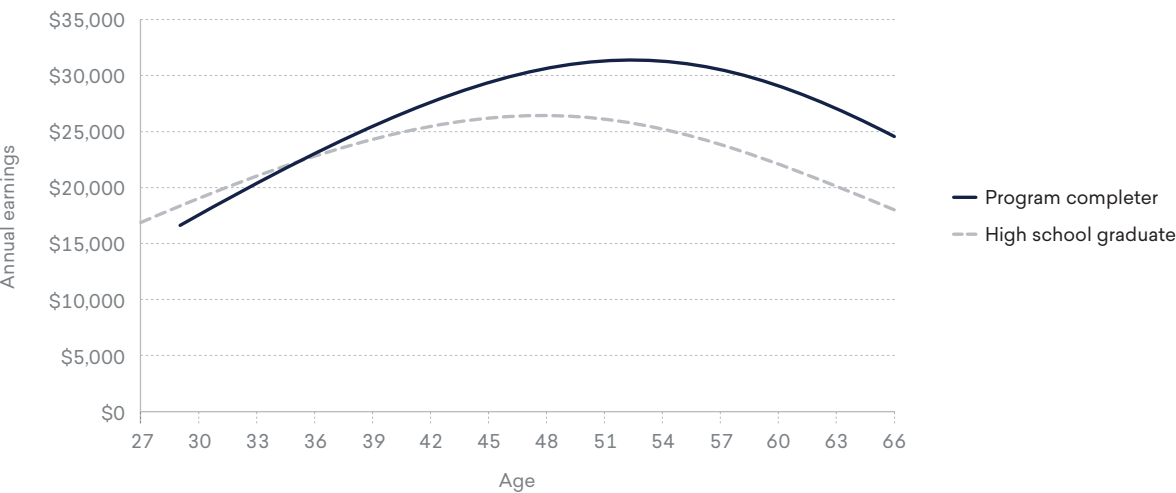
<sup>1</sup> The Emergency Medical Technician program is defined by the following Classification of Instructional Programs (CIP) code: Emergency Medical Technology/Technician (EMT Paramedic) (51.0904).

<sup>2</sup> For the purposes of this analysis, only MTCC students were considered when comparing to annual openings.

## STUDENT RETURN ON INVESTMENT

To complete 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 \$3.90 back over the course of their working lives. This investment can also be seen in terms of a rate of return of 19.6%. 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 GRADUAT



Source: Emsi Burning Glass impact model.

## TAXPAYER BENEFITS

Taxpayers will receive an estimated present value of \$108.1 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 \$10.5 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 \$118.6 thousand in benefits.

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

**\$118.6 thousand**

