## State Council of Higher Education for Virginia



New Economy Workforce Credential Grant Annual Report 2022



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#### **PURPOSE OF THIS REPORT**

During the 2016 session, the General Assembly and Governor established the New Economy Workforce Grant Program (WCG). This grant program, the first of its kind in the nation, provides a pay-for-performance model for funding noncredit workforce training that leads to a credential in a high-demand field. The program also includes requirements for students to complete the program in order to avoid paying additional costs. A summary of the major components of the program is included below. Additional information is available through the *Code of Virginia*.

The purpose of this report is to provide a review of FY 2022 activities of the New Economy Workforce Credential Grant to the General Assembly and the Virginia Board for Workforce Development, as outlined in § 23.1-627.7.

#### Summary of Findings for FY 2022

In FY 2022, the Virginia Community College System and the Southern Virginia Higher Education Center offered training aligned to high-demand occupations and fields as identified by the Virginia Board for Workforce Development. Observations from FY 2022 include:

- Institutions offered training in 10 high-demand occupational fields.
- Collectively, institutions reported 11,533 enrollments in FY 2022, a 28% increase from FY 2021 and the most since the inception of the program.
- Of the 11,448 enrollments included in this report, 11,429 completed training. Among program completers, 8,794 went on to earn a credential. Both of these levels are increases of more than 30% from the previous fiscal year. The rates of completions and credentials remained relatively stable at 99% and 77% respectively.
- Most racial and ethnic groups share high program completion rates, but gaps exist in credential completion: 66% of Asian American students earned their credential, 11 points below the program average of 77%. Black or African American students' credentialing rate was nine points below the average, and Hispanic students' rate was six points below.
- The average tuition paid by students was \$802, up from \$767 in FY 2021. The average state cost per credential attained was \$1,850, a \$63 increase from FY 2021.
- The program with the highest enrollments was Commercial Driver's License (class A), with more than 21% of enrollments. Medical Assistant had the second highest enrollments, accounting for 6% of all enrollments in FY 2022.





- Most students who earned their credential saw an increase in earnings. Median annual wages increased approximately \$6,120, or 23%, in the 12 months following program completion.
- Two-thirds of enrollments entered a postsecondary training program in Virginia for the first time. The median age was 32 years old.

#### **Program Purpose**

The Governor and the General Assembly outlined three primary purposes for the program, as outlined in § 23.1-627.2 of the Code of Virginia:

The New Economy Workforce Credential Grant is established for the purpose of (i) creating and sustaining a demand-driven supply of credentialed workers for highdemand occupations in the Commonwealth by addressing and closing the gap between the skills needed by workers in the Commonwealth and the skills of the available workforce in the Commonwealth; (ii) expanding the affordability of workforce training and credentialing; and (iii) increasing the interest of current and future Virginia workers in technician, technologist, and trade-level positions to fill the available and emerging jobs in the Commonwealth that require less than a bachelor's degree but more than a high school diploma.

The program also defines two key elements:

- High-demand field: a "discipline or field in which there is a shortage of skilled workers to fill current job vacancies or anticipated additional job openings."
- Noncredit workforce credential: a "competency-based, industry-recognized, portable, and third-party-validated certification or occupational license in a high-demand field."

## **History of Funding**

The state's General Fund (GF) appropriation for WCG has increased since its inception. In FY 2022, the state appropriated \$13.5 million in GF to the WCG program. The program ended FY 2022 with a positive balance of \$7.8 million. Performance payments were over \$16 million, exceeding the GF appropriation and reducing the end-of-year balance compared to the previous year.





Table 1: Historical GF Appropriations to WCG

| Fiscal Year | Amount         |
|-------------|----------------|
| 2017        | \$5.0 million  |
| 2018        | \$7.5 million  |
| 2019        | \$9.5 million  |
| 2020        | \$13.5 million |
| 2021        | \$13.5 million |
| 2022        | \$13.5 million |

#### **Program Requirements and Pay-for-Performance Model**

The program entails a pay-for-performance model that provides payments for costs to institutions, but only when an individual completes training and when an individual completes a credential.

#### The requirements include:

- *Eligible institutions and type of training:* Eligible institutions are community colleges, higher-education centers and Richard Bland College. The training required of these institutions is noncredit training.
- *Alignment to high-demand fields:* Training programs should align with the high-demand fields set by the Virginia Board for Workforce Development. The governing boards of the eligible institutions are required to approve the aligned training programs.
- *Payments and cost of the program:* The student, the institution and the state, as described below, share the program's cost. In addition, the table below illustrates the pay-for-performance model.
  - Student responsibility: Students are required to pay one-third of the total cost of the program upon enrollment. Students may use third-party funds, such as noncredit financial aid, training vouchers or employer payment to cover this cost. If the student does not complete the program, then the student is required to pay an additional one-third of the cost of the program.
  - State: If the student completes the training, then the state provides one-third of the
    cost of the program, up to \$1,500, to the institution. If the student earns and reports a
    credential, then the state pays an additional one-third of the cost of the program, up
    to \$1,500.
  - <u>Institution</u>: If a student does not report a credential earned, then the institution does not receive state funding for one-third of the cost of the program.





- *Reporting and payments:* Eligible institutions must provide student-level data to SCHEV to receive funding.
- *Administration:* SCHEV is responsible for administering the program, conducting periodic assessments of the program, collecting student data and making final decisions on disputes between eligible institutions and grant recipients.

Table 2: Program Pay-for-Performance Model

| Payment Scenario if a student                    | Student Pays      | State Pays Training Institution* |
|--|-------------------|----------------------------------|
| Completed training and credential                | 1/3 program cost  | 2/3 program cost*                |
| Completed training but did not earn              | 1/3 program cost  | 1/3 program cost*                |
| or report credential to the training institution | 1/ 5 program cost | 1/ 3 program cost                |
| Did not complete training and did not earn       | 2/3 program cost  | No cost                          |
| or report a credential                           | 2/ 3 program cost | 110 6031                         |

<sup>\*</sup>Maximum contribution from the state is \$3,000.

# **High-demand Field and Training Alignment Process Identification of High-Demand Fields**

The *Code of Virginia* requires that the Virginia Board for Workforce Development identify high-demand occupational fields. In 2017, the Virginia Board for Workforce Development developed a methodology to identify high-demand programs, using the following criteria:

- The relevance of the occupational group to the state's economic development strategy, as outlined in then-Governor McAuliffe's <u>New Virginia Economy</u> strategy document.
- o Annual statewide job openings, based on Virginia Employment Commission/Bureau of Labor Statistics' 10-year employment projections. Jobs were considered if they had more than 50 annual openings.
- The degree to which the occupations required advanced skills, as measured by entrylevel education.

The board also allows a region to petition to add an occupational field to the list, if that region can demonstrate sufficient demand. A complete list of training programs offered is provided on the *Virginia Career Works website*. Based on a review of the occupations meeting the criteria above, the Virginia Board for Workforce Development identified high-demand occupations in 11 fields.





#### **Training Programs Offered by Eligible Institutions**

Once the Virginia Board for Workforce Development identifies the high-demand fields, the eligible institutions develop or align existing noncredit training programs to meet the new credential criteria, and their boards approve the programs. To date, the Virginia Community College System, the Southern Virginia Higher Education Center and the New College Institute are the only eligible training institutions offering programs in the high-demand fields.

The boards of the institutions submit their approved lists to the Virginia Board for Workforce Development. A full list of high-demand occupations and aligned training programs offered by eligible training institutions is maintained and updated on the Career Works website.

Table 2 is a sample list by occupational field of the types of training and credentials students could attain upon completion. A full list of credentials by type is provided in the Appendix.

Table 3: Sample Workforce Training and Certifications Offered by Occupational Field

| Occupational Field (Occupation Number)      | Sample Workforce Training/Certification Offered  |
|---|--|
| Computer and Mathematical (15)              | CompTIA A+, Network+ and Server+<br>Computer Entry Level (CISCO Networking Technician and<br>Associate, CompTIA IT Fundamentals); Information Systems<br>Security Project Management Professional  |
| Construction and Extraction (47)            | Construction (Project Management, Carpentry, Contractor's License), Plumbing and Electrical, Highway Construction, Welding   |
| Education, Training and Library (25)        | Career Switcher/Teaching License   |
| Healthcare Practitioners and Technical (29) | Emergency Medical Technician???, Pharmacy, EKG Technician  |
| Healthcare Support (31)                     | Certified Nurse Aide, Medical Assistant, Medication Aide,<br>Phlebotomy Technician   |
| Installation, Maintenance and Repair (49)   | Electrical and Electrical Systems, Engine Repair, HVAC,<br>Power Line Worker   |
| Office and Administrative Support (43)      | Billing and Coding Specialist, Customer Services and Sales,<br>Medical Administrative Assistant, Professional Coder, Society for<br>Human Resource Management Certified Professional   |
| Production (51)                             | Backflow Prevention, Electronics Assembly (JSTD-001 Certification), Machine Tool Operations, Manufacturing Technician 1 (MT1), Manufacturing Entry Level (specialist and production technician), Mechatronics, Six Sigma, Millwright (industrial machine installation, maintenance, troubleshooting and repair), Welding (flux, gas and general) |
| Transportation and Material Moving (53)     | Commercial Driver's License, Logistics Associate, Logistics<br>Technician, Remote Pilot Airman Certification   |





### **ENROLLMENT, TRAINING AND CREDENTIAL COMPLETIONS AND COSTS**

In FY 2022, 11,553 individuals were enrolled in training, and 11,429 (99%) completed training. Among program completers, 8,794 (77%) went on to earn the credential. FY 2022 data are based on all students completing a training course between July 1, 2021, and June 30, 2022. Eligible institutions are allowed up to 180 days after the completion of training to obtain verification that a student earned a credential. Training institutions may verify this information either through receiving information from a student or through a record match with the entity issuing the credential.

Since inception of the program, the program has recorded 44,476 enrollments, 42,712 completions, and 32,536 credentials or licenses. FY 2022 saw a record number of students enrolled, completing the program and earning their credential or license. The growth of the program is particularly notable given that, in recent years, enrollments in for-credit academic programs at Virginia Community Colleges have <u>declined</u>.

Table 4: Workforce Credential Grant Enrollments, Program Completions, and Credentials, History of the Program

| Fiscal Year | Enrollments | Completed Training | Earned Credential |
|-------------|-------------|--------------------|-------------------|
| 2017        | 5,210       | 4,961              | 3,487             |
| 2018        | 4,310       | 4,007              | 3,099             |
| 2019        | 6,970       | 6,570              | 5,096             |
| 2020        | 7,440       | 7,030              | 5,444             |
| 2021        | 9,013       | 8,715              | 6,616             |
| 2022        | 11,533      | 11,429             | 8,794             |
| Grand Total | 44,476      | 42,712             | 32,536            |

The following section provides data for FY 2022 by occupational field, credential type and institution.

## **Training Offered in Ten High-Demand Occupational Fields**

The highest numbers of enrollments were in construction, production, healthcare support and transportation; these fields accounted for three-quarters of the program. Table 4 summarizes enrollments, completions, reported credentials, average costs to students, total payments by the state and average costs to the state per credential attained, by occupational field.





Table 5: FY 2022 Data on Enrollment, Training Completion and Reported Credentials by Occupational Field

| Occupational Field                          | Enrolled | Completed<br>Training | Reported a<br>Credential<br>Attained | Average<br>Cost to<br>Student* | Total State Payments for Training and Credential Completion* | Average<br>State<br>Payments per<br>Credential<br>Attained |
|---|----------|-----------------------|--------------------------------------|--------------------------------|--|--|
| Computer and Mathematical (15)              | 1,061    | 1,055                 | 297                                  | \$694                          | \$938,752  | \$3,161  |
| Construction and Extraction (47)            | 2,380    | 2,368                 | 1,971                                | \$210                          | \$917,336  | \$465  |
| Education, Training, and Library (25)       | 75       | 74                    | 75                                   | \$1,330                        | \$198,170  | \$2,642  |
| Healthcare Practitioners and Technical (29) | 316      | 313                   | 150                                  | \$620                          | \$288,399  | \$1,923  |
| Healthcare Support (31)                     | 1,591    | 1,583                 | 1,190                                | \$872                          | \$2,432,958  | \$2,045  |
| Installation, Maintenance, and Repair (49)  | 1,271    | 1,225                 | 1,091                                | \$866                          | \$2,043,973  | \$1,873  |
| Office and Administrative Support (43)      | 602      | 593                   | 386                                  | \$932                          | \$896,054  | \$2,321  |
| Production (51)                             | 1,243    | 1,240                 | 1,016                                | \$579                          | \$1,289,354  | \$1,269  |
| Public Administration (92)                  | 12       | 12                    | 4                                    | \$183                          | \$2,760  | \$690  |
| Transportation and Material Moving (53)     | 2,982    | 2,966                 | 2,614                                | \$1,325                        | \$7,257,349  | \$2,776  |
| All   | 11,533   | 11,429                | 8,794                                | \$802                          | \$16,265,104   | \$1,850  |

# The Average Cost to Each Student was \$802. The Average Per-Credential Cost to the State was \$1,850.

As shown in Table 4, the average cost of the program to a student (reflecting one-third of the cost) was \$802. SCHEV provided reimbursements to institutions through state general funds in the amount of \$16.1 million for training completions and credentials. This figure is higher than the general fund appropriation for FY 2022 of \$13.5 million because the program began the year with a positive balance.

The pay-for-performance model obligates funds when a student enrolls, but funds are paid when an institution submits reimbursement upon completion of training and earning of a credential. And as seen in Table 3, enrollments, completions and credentials have been growing. Also, some students who completed their program in FY 2021 went on to earn a credential in FY 2022.

Based on the attainment data and the total payments through state general fund, the average state payment per credential attained in FY 2022 was \$1,850 (total payments/credentials attained).

## **Top Training Programs and Alignment to Annual Job Openings**

While many certifications are offered, nearly three-quarters of students enrolled in just 10 program clusters. Of the more than 50 programs offered, four programs accounted for over half of enrollments: Commercial Drivers' License; Medical Assistant; Highway Construction; and Phlebotomy Technicians.



This analysis de-duplicates individual records, such that one student pursuing, for example, multiple road construction certifications is not counted more than once, as that individual would fill only a single job opening.

In comparing enrollments in these programs to the annual job openings provided by the Virginia Employment Commission (VEC), the certifications appear to meet an annual need. For example, the VEC projects annual openings for truck drivers to be about 6,341. In FY 2022, about 2,370 individuals enrolled in the credential program to attain a commercial driver's license. Similarly, the VEC projects annual openings for medical assistants to be 2,309, while 627 students enrolled in medical assistance programs.

The difference between the annual openings and enrollments does not necessarily indicate a shortage, as training programs offered by private providers are not included in this analysis. At the same time, not all students go on to earn their credential, and those who do complete may not pursue the exact occupation aligned with their program.

Table 6: Top 10 Credentials and Annual Openings by Related Occupational Field, FY 2022

| Occupation   | Annual Job<br>Openings by<br>Field* | Program                           | Individuals<br>** Enrolled<br>FY 2022 |
|--|-------------------------------------|-----------------------------------|---------------------------------------|
| Heavy and Tractor-Trailer Truck Drivers  | 6,341                               | Commercial Driver's License       | 2,370                                 |
| Medical Assistants   | 2,309                               | Medical Assistant                 | 627                                   |
| Highway Maintenance Workers + Paving,<br>Surfacing, and Tamping Equipment<br>Operators | 470                                 | VDOT Asphalt Field                | 382                                   |
| Phlebotomists  | 466                                 | Phlebotomy Technician             | 346                                   |
| Computer and Information Systems<br>Managers   | 1,311                               | CompTIA A+                        | 329                                   |
| Carpenters   | 2,964                               | Core - Introductory Craft Skills  | 273                                   |
| Other Healthcare Support Occupations   | 6,685                               | Certified Nurse Aide (CNA)        | 264                                   |
| Pharmacy Technicians   | 990                                 | Pharmacy Technician               | 196                                   |
| Welders, Cutters, Solderers, and Brazers   | 1,160                               | Shielded Metal Arc Welding (SMAW) | 196                                   |
| Health Technologists and Technicians   | 1,004                               | Billing and Coding Specialist     | 170                                   |
|  |                                     |                                   |                                       |

<sup>\*</sup>Review based on Virginia Employment Commission short-term 2021-2023 projections.

 $\underline{ https://virginiaworks.com/occupational-projections?page80257=1\&size80257=12\&page79862=1\&size80257=12\&page81630=12\&size81630=12$ 

Differences may not represent a shortage as other individuals may complete certification through non-WCG programs.

<sup>\*\*</sup>Enrollments figures can include individuals completing multiple credentials. The figures provided for individuals represent unduplicated count of the enrollments.





# Training Completion Rates Averaged 99%, and Credential Completion Rates Averaged 77%

While completion rates for training vary by field and credential type, the average completion rate for the last four years remains relatively stable – about 99% of enrolled individuals complete their training. Of those who complete their training, about 77% earn a credential. Some credential rates, such as IT certification, are much lower. A full list of completion rates by credential type appears in the Appendix. Rates may vary because some credentialing and licensing bodies offer testing on-site while others are located elsewhere. Some students also might be able to start employment before earning a credential.

**Table 7: Average Completion Rates, FY 2022** 

|   | Training        | Credential      |
|---|-----------------|-----------------|
| Occupational Field                          | Completion Rate | Completion Rate |
| Computer and Mathematical (15)              | 99%             | 28%             |
| Construction and Extraction (47)            | 99%             | 83%             |
| Education, Training, and Library (25)       | 99%             | 101%            |
| Healthcare Practitioners and Technical (29) | 99%             | 48%             |
| Healthcare Support (31)                     | 99%             | 75%             |
| Installation, Maintenance, and Repair (49)  | 96%             | 89%             |
| Office and Administrative Support (43)      | 99%             | 65%             |
| Production (51)                             | 100%            | 82%             |
| Public Administration (92)                  | 100%            | 33%             |
| Transportation and Material Moving (53)     | 99%             | 88%             |
| Grand Total                                 | 99%             | 77%             |

<sup>\*</sup>Education, Training, and library rates exceed 100% due to students earning credential but not completing training.

## **Participation and Completion Rates by Institution**

The number of students enrolling across training institutions varies. Table 8 provides enrollments and completions by institution. Half of enrollments in FY 2022 were at institutions in rural areas of the state. The remaining enrollments occurred at urban institutions: Germanna, Northern Virginia, Tidewater and Brightpoint/Reynolds community colleges.





Table 8: FY 2022 Data on Enrollment, Training Completion and Reported Credentials by Eligible Training Institution

| Training Institution               | Enrolled | Completed<br>Training | Credential<br>Attained |
|------------------------------------|----------|-----------------------|------------------------|
| Blue Ridge CC                      | 510      | 510                   | 428                    |
| Brightpoint/Reynolds CC (CCWA)     | 1,860    | 1,842                 | 1,398                  |
| Central Virginia CC                | 148      | 147                   | 104                    |
| Danville CC                        | 42       | 34                    | 13                     |
| Eastern Shore CC                   | 112      | 111                   | 66                     |
| Germanna CC                        | 2,489    | 2,479                 | 2,047                  |
| Laurel Ridge CC                    | 871      | 866                   | 759                    |
| Mountain Empire CC                 | 177      | 177                   | 163                    |
| Mountain Gateway CC                | 156      | 156                   | 124                    |
| New River CC                       | 185      | 185                   | 133                    |
| Northern Virginia CC               | 858      | 857                   | 461                    |
| Patrick & Henry CC                 | 173      | 173                   | 151                    |
| Paul D. Camp CC                    | 361      | 358                   | 238                    |
| Piedmont CC                        | 372      | 372                   | 252                    |
| Rappahannock CC                    | 282      | 282                   | 168                    |
| Southern Virginia Higher Ed Center | 75       | 69                    | 56                     |
| Southside Virginia CC              | 572      | 529                   | 477                    |
| Southwest Virginia CC              | 176      | 176                   | 118                    |
| Thomas Nelson CC                   | 610      | 609                   | 371                    |
| Tidewater CC                       | 659      | 653                   | 478                    |
| Virginia Highlands CC              | 130      | 129                   | 110                    |
| Virginia Western CC                | 478      | 478                   | 445                    |
| Wytheville CC                      | 237      | 237                   | 234                    |
| Grand Total                        | 11,533   | 11,429                | 8,794                  |





## **STUDENT DEMOGRAPHICS**

#### **Enrollment**

The Workforce Credential Grant program tends to serve a nontraditional (adult) student; the median age is 32. Only 29% of students are ages 24 years or younger.

Table 9: Enrollment by Age, FY 2022

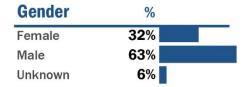
| Age Group              | #      | %    |
|------------------------|--------|------|
| Less than 18 years     | 154    | 1%   |
| 18 to 24 years         | 3,206  | 28%  |
| Age 25 to 34 years     | 3,507  | 30%  |
| Age 35 to 44 years     | 2,325  | 20%  |
| Age 45 to 64 years     | 2,234  | 19%  |
| Age 65 years and older | 107    | 1%   |
| Total                  | 11,533 | 100% |

By gender, 63% of enrolled students were male; 32%, female; and 6%, unknown (sum exceeds 100% due to rounding). By race and ethnicity, 45% of enrollment were white; 28% were Black or African American; and 6% were Hispanic. The measures of SCHEV's strategic plan, Pathways to Opportunity compare population and enrollment as a proportion for different groups. Given that 18% of Virginia's working age population is Black or African American, it could be asserted that the WCG program especially serves this population. However, the accuracy of such a claim would be disputable because 16% of WCG enrollments are unknown/unreported.

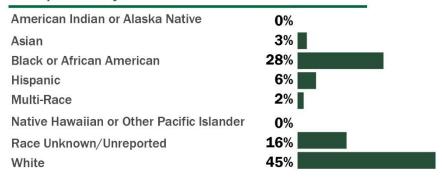




Figure 1: Student Demographics by Sex and Race/Ethnicity, FY 2022



#### Race/Ethnicity



The WCG program also serves a large first-time-in-college population. In fact, two-thirds (7,658) of WCG enrollments in FY 2022 had not previously entered a postsecondary training or credential program.

#### Success

Credential completion varies by race and ethnicity. (Training completion rates do not vary significantly for the largest demographic groups.) Black or African American students are 9 percentage points less likely to earn their program's credential compared to the program average. Hispanic students are 6 points less likely. The prevalence of unreported racial and ethnic demographics complicates this analysis.

Table 10: Training Completion and Credentials by Race and Ethnicity, FY 2022

| Race/Ethnicity                            | Enrollment | Training<br>Completion | Credential<br>Completion | % Complete<br>Training | % Complete<br>Credential |
|---|------------|------------------------|--------------------------|------------------------|--------------------------|
| American Indian or Alaska Native          | 32         | 32                     | 19                       | 100%                   | 59%                      |
| Asian                                     | 390        | 388                    | 258                      | 99%                    | 66%                      |
| Black or African American                 | 3,216      | 3,178                  | 2,152                    | 99%                    | 68%                      |
| Hispanic                                  | 670        | 667                    | 476                      | 100%                   | 71%                      |
| Multi-Race                                | 249        | 245                    | 185                      | 98%                    | 76%                      |
| Native Hawaiian or Other Pacific Islander | 18         | 18                     | 15                       | 100%                   | 83%                      |
| Race Unknown/Unreported                   | 1,815      | 1,808                  | 1,461                    | 100%                   | 81%                      |
| White                                     | 5,143      | 5,093                  | 4,228                    | 99%                    | 83%                      |
| Total                                     | 11,533     | 11,429                 | 8,794                    | 99%                    | 77%                      |





#### **EARNINGS OUTCOMES**

#### Methodology

When the General Assembly established the program in 2016, an important intention was better alignment of training to high-demand fields where unmet needs for workers existed. The *Code of Virginia* also requires SCHEV to report "information on the wages, including average wage and other relevant information, of students who have completed noncredit workforce training programs by credential name and relevant industry sectors." To better evaluate the impact of the program on an individuals' job prospects, it is also important to measure wages – wages prior to completion of the program as well as after completion.

Through the <u>Virginia Longitudinal Data System</u> SCHEV staff matched completers' wages with the wage records of the Virginia Employment Commission (VEC). While VEC records are a valuable and unique source of post-program wages, they are imperfect. For example, some people are exempt from reporting, such as individuals who are self-employed, work for the federal government or those who meet other exemption qualifications. Wages also are collected on a quarterly basis, without any indication of the hours worked, thereby rendering it impossible to know whether an individuals' quarterly wage was based on full-time or part-time work. The matching of individuals' records from their training to their incomes also takes time, resulting in wage outcomes that are not as up to date as information about the program itself.

To accurately assess programs' impact on wages, SCHEV staff only compared students who had at least four quarters of wages before and four quarters of wage records after completing the program. SCHEV staff summed those four quarters to serve as a proxy for annual income, even though those individuals might be earning additional income not counted in that quarterly wage, or that they could be choosing to work part-time.

Given the need to restrict analysis to students with wages before and after completing the program, the analysis below includes students throughout the history of the program, and not for FY 2022 alone. SCHEV staff then analyzed earnings of the remaining 21,407 students with wage records before and after enrolling in the program. Of these, 15,465 students earned a credential.

## **Earnings Analysis**

Before enrolling in WCG programs, students earned a median annual wage of \$24,877. Twelve months after leaving the program, students earned a median wage of \$30,274. This change represents a 22% increase compared to the median pre-wage. The median wage increase was \$5,397.

Students who went on to earn the credential saw a greater increase to their wages: an increase in median earnings of 23%, or \$6,120 annually. These wages are not adjusted for inflation.

Table 11: Wages Pre- and Post-Program of WCG Completers, by Credential Status, History of the Program

|                            | pre- and post- wages<br>successfully matched | Median Pre-wage | Median Post-wage | Median Wage Change |
|----------------------------|--|-----------------|------------------|--------------------|
| Did Not Earn<br>Credential | 6,699  | \$21,065        | \$24,403         | \$3,338            |
| <b>Earned Credential</b>   | 15,464                                       | \$26,538        | \$32,657         | \$6,120            |
| Total                      | 22,163                                       | \$24,877        | \$30,274         | \$5,397            |

#### Median Wages Increased in all Occupational Fields

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To measure specific credentials' impact on wages more effectively, Table 12 examines only the students who earned their credential and successfully had their pre- and post-program wages matched. In all occupational fields, median wages increased after attaining the credential. Students who earned credentials in Construction and Extraction earned the highest median wages, at \$49,902. However, these students also started with a higher pre-wage. Students who earned credentials in Education, Training and Library fields saw the largest median wage increases, over \$16,000. These students represent a relatively narrow slice of the wage analysis, however, with only 136 student records matched.



Table 12: Wages Pre- and Post-Program for Credentialed Students by Industry, History of the Program

|                                      | # of Students w/pre-<br>and post- wages | Median   | Median    | Median      | 0/ Ohanga |
|--------------------------------------|---|----------|-----------|-------------|-----------|
|                                      | successfully matched                    | Pre-wage | Post-wage | Wage Change | % Change  |
| Computer and Mathematical (15)       | 534                                     | \$36,303 | \$44,830  | \$8,527     | 23%       |
| Construction and Extraction (47)     | 4,118                                   | \$45,503 | \$49,902  | \$4,399     | 10%       |
| Education, Training, and Library (2  | 5) 136                                  | \$24,365 | \$40,563  | \$16,198    | 66%       |
| Healthcare Practitioners and         |   |          |           |             |           |
| Technical (29)                       | 223                                     | \$17,622 | \$22,060  | \$4,438     | 25%       |
| Healthcare Support (31)              | 2,288                                   | \$14,739 | \$19,711  | \$4,972     | 34%       |
| Installation, Maintenance,           |   |          |           |             |           |
| and Repair (49)                      | 1,491                                   | \$19,578 | \$30,306  | \$10,728    | 55%       |
| Office and Administrative Support (4 | 3) 603                                  | \$22,136 | \$22,920  | \$784       | 4%        |
| Production (51)                      | 2,181                                   | \$23,824 | \$31,945  | \$8,121     | 34%       |
| Transportation and Material Movin    | ıø                                      |          |           |             |           |
| (53)                                 | 3,868                                   | \$26,259 | \$32,753  | \$6,495     | 25%       |
| Grand Total                          | 15,442                                  | \$26,583 | \$32,674  | \$6,091     | 23%       |

### Wages by Race and Ethnicity

All credentialed racial and ethnic groups saw increases in their median wages. The wage analysis by race and ethnicity is complicated by the high numbers of unknown and unreported, and some groups having relatively small cell sizes. (See the enrollments and success rates by race and ethnicity above.)

Table 13: Wages Pre- and Post-Program for Credentialed Students by Race and Ethnicity, History of the Program

|  | # of Students w/<br>pre- and post- wages |                 |                  | Median Wage |
|--|--|-----------------|------------------|-------------|
|  | successfully matched                     | Median Pre-wage | Median Post-wage | Change      |
| American Indian or Alaska Native (NH)          | 70                                       | \$23,710        | \$31,035         | \$7,325     |
| Asian (NH)                                     | 390                                      | \$32,070        | \$37,955         | \$5,885     |
| Black or African American (NH)                 | 3,597                                    | \$21,629        | \$26,718         | \$5,089     |
| Hispanic                                       | 640                                      | \$23,422        | \$28,035         | \$4,613     |
| Multi-Race (NH)                                | 258                                      | \$16,229        | \$23,041         | \$6,812     |
| Native Hawaiian or Other Pacific Islander (NH) | 20                                       | \$16,598        | \$35,271         | \$18,673    |
| Race Unknown/Unreported (NH)                   | 2,222                                    | \$32,765        | \$38,048         | \$5,283     |
| White (NH)                                     | 8,267                                    | \$28,192        | \$35,036         | \$6,844     |
| Grand Total                                    | 15,464                                   | \$26,538        | \$32,657         | \$6,120     |





#### ADDITIONAL OBSERVATIONS AND NEXT STEPS

#### **Program Cap**

The 2022-24 biennial budget includes language restricting any single occupational field from receiving more than 25% of WCG funds. In FY 2022, 44% of GF reimbursements went to programs in the Transportation and Material Moving (53) field. Most of these programs were commercial drivers' licenses. As noted above, commercial driver's licenses made up less than 25% of individual student enrollments, but contributed to Transportation and Material Moving (53) exceeding the 25% program cap.

Private initiatives, like Virginia Ready, which incentivize students to enroll in and complete credentials funded through the Workforce Credential Grant, have specifically promoted the truck-driving programs in response to employer requests for credentialed workers. As noted above, truck driving positions have 6,341 annual openings, while only 2,370 individuals enrolled in truck driving programs through WCG, suggesting that there is more demand for this training than the current WCG funding structure can supply.

To comply with the 25% cap, the VCCS monitors projected encumbrances based on student registrations throughout the fiscal year. In past years, the VCCS has periodically used projected encumbrances to implement a temporary pause on student enrollments in truck-driving programs, to stay below the reimbursement cap. Programs were not paused in FY 2022 due to the heightened demand for truck drivers and statewide initiatives to increase the supply of commercial driver's license holders.

## Reimbursement Limit of \$3,000 per credential

Since the beginning of the program, a reimbursement limit of \$3,000 has been in place on any individual credential completion. Adjusting for the Consumer Price Index, \$3,000 in 2016 is worth roughly \$3,700 in December 2022. A growing number of programs have reached this \$3,000 reimbursement limit. In FY 2022, 1,158 programs reached the \$3,000 limit, the vast majority of which were in Commercial Drivers' License programs, but other programs included power line worker and heavy equipment operator. As training programs face increasing costs for personnel, equipment and supplies, policymakers may consider adjusting this \$3,000 reimbursement limit.





### **CONCLUSION**

Since the inception of the Workforce Credential Grant in 2016, the program has continued to grow based on student demand. The largest areas of enrollment occur in occupational fields with annual job openings that exceed training completions. In addition, median earnings continue to grow post-training completion.



## **APPENDIX: FY 2022 TRAINING CREDENTIAL ENROLLMENT, COMPLETIONS AND COSTS**

|   | Enrollments | Training<br>Completions | Credential<br>Completions | % Complete<br>Training | % Complete<br>Credential | Average<br>Tuition | Sum of GF<br>reimbursed | Average<br>of GF<br>Reimbursed |
|---|-------------|-------------------------|---------------------------|------------------------|--------------------------|--------------------|-------------------------|--------------------------------|
| Computer and Mathematical (15)                      | 1,061       | 1,055                   | 297                       | 99%                    | 28%                      | \$694              | \$938,752               | \$3,161                        |
| Adobe Certified Associate: Illustrator              | 3           | 3                       | -                         | 100%                   | 0%                       | \$250              | \$750                   | NA                             |
| AWS Cloud   | 151         | 151                     | 40                        | 100%                   | 26%                      | \$539              | \$102,056               | \$2,551                        |
| Certified Ethical Hacker                            | 20          | 20                      | 10                        | 100%                   | 50%                      | \$1,045            | \$31,350                | \$3,135                        |
| CompTIA A+  | 393         | 390                     | 88                        | 99%                    | 23%                      | \$840              | \$401,528               | \$4,563                        |
| CompTIA IT Fundamentals                             | 99          | 99                      | 31                        | 100%                   | 31%                      | \$328              | \$43,675                | \$1,409                        |
| CompTIA IT Fundamentals+                            | 17          | 15                      | 10                        | 88%                    | 67%                      | \$221              | \$5,850                 | \$585                          |
| CompTIA Linux+                                      | 7           | 7                       | 3                         | 100%                   | 43%                      | \$524              | \$5,226                 | \$1,742                        |
| CompTIA Network+                                    | 127         | 127                     | 44                        | 100%                   | 35%                      | \$632              | \$108,006               | \$2,455                        |
| CompTIA Security+                                   | 180         | 180                     | 65                        | 100%                   | 36%                      | \$746              | \$187,436               | \$2,884                        |
| CompTIA Server+                                     | 4           | 3                       | 1                         | 75%                    | 33%                      | \$322              | \$1,288                 | \$1,288                        |
| IT Fundamentals+                                    | 4           | 4                       | -                         | 100%                   | 0%                       | \$234              | \$936                   | NA                             |
| JavaScript Specialist Certificate                   | 5           | 5                       | 1                         | 100%                   | 20%                      | \$1,500            | \$9,000                 | \$9,000                        |
| Linux+  | 2           | 2                       | 1                         | 100%                   | 50%                      | \$367              | \$1,101                 | \$1,101                        |
| PCAP - Certified Associate in Python<br>Programming | 38          | 38                      | 3                         | 100%                   | 8%                       | \$750              | \$30,750                | \$10,250                       |
| Project Management                                  | 11          | 11                      | -                         | 100%                   | 0%                       | \$891              | \$9,800                 | NA                             |
| Construction and Extraction (47)                    | 2,380       | 2,368                   | 1,971                     | 99%                    | 83%                      | \$210              | \$917,336               | \$465                          |
| AC Electricity                                      | 27          | 27                      | 19                        | 100%                   | 70%                      | \$370              | \$16,646                | \$876                          |
| Asphalt- Slurry Surfacing                           | 242         | 240                     | 207                       | 99%                    | 86%                      | \$92               | \$40,972                | \$198                          |
| Carpentry   | 19          | 19                      | 19                        | 100%                   | 100%                     | \$714              | \$27,150                | \$1,429                        |
| Construction Project Management                     | 7           | 7                       | 7                         | 100%                   | 100%                     | \$1,038            | \$14,532                | \$2,076                        |
| Contractor's License                                | 15          | 15                      | -                         | 100%                   | 0%                       | \$80               | \$1,200                 | NA                             |
| Core - Introductory Craft Skills                    | 323         | 323                     | 276                       | 100%                   | 85%                      | \$300              | \$182,192               | \$660                          |
| Documentation & Record Keeping for Inspectors       | 10          | 10                      | 10                        | 100%                   | 100%                     | \$200              | \$4,000                 | \$400                          |
| Electrical  | 30          | 30                      | 29                        | 100%                   | 97%                      | \$550              | \$32,450                | \$1,119                        |
| Electrical Tradesman License Renewal                | 1           | 1                       | -                         | 100%                   | 0%                       | \$42               | \$42                    | NA                             |
| Facilities Maintenance                              | 14          | 14                      | -                         | 100%                   | 0%                       | \$1,115            | \$15,610                | NA                             |
| Marine Trade Training: Coatings Level 1             | 21          | 21                      | 21                        | 100%                   | 100%                     | \$340              | \$14,280                | \$680                          |

|  | •     |       |       |      |             |         |             |         |
|--|-------|-------|-------|------|-------------|---------|-------------|---------|
| Marine Trade Training: Electrical Level 1            | 42    | 42    | 26    | 100% | 62%         | \$280   | \$19,040    | \$732   |
| Marine Trade Training: Pipefitting Level 1           | 33    | 32    | 31    | 97%  | 97%         | \$800   | \$50,400    | \$1,626 |
| Marine Trade Training: Sheet Metal Level 1           | 25    | 25    | 25    | 100% | 100%        | \$525   | \$26,250    | \$1,050 |
| Marine Trade Training: Welding Level 1               | 12    | 12    | 12    | 100% | 100%        | \$707   | \$16,980    | \$1,415 |
| Plan Reading for Inspectors                          | 23    | 23    | 23    | 100% | 100%        | \$200   | \$9,200     | \$400   |
| Plumbing   | 93    | 93    | 75    | 100% | 81%         | \$651   | \$110,530   | \$1,474 |
| Plumbing License Renewal                             | 2     | 2     | -     | 100% | 0%          | \$42    | \$83        | NA      |
| Roadway Construction & Drainage for Inspectors       | 15    | 15    | 14    | 100% | 93%         | \$283   | \$8,215     | \$587   |
| Surface Treatment                                    | 249   | 247   | 221   | 99%  | 89%         | \$92    | \$42,897    | \$194   |
| Surveying for Inspectors                             | 15    | 15    | 14    | 100% | 93%         | \$208   | \$6,032     | \$431   |
| VDOT Asphalt Field                                   | 408   | 405   | 333   | 99%  | 82%         | \$117   | \$86,095    | \$259   |
| VDOT Asphalt Field                                   | 519   | 517   | 435   | 100% | 84%         | \$117   | \$111,060   | \$255   |
| VDOT Asphalt Plant                                   | 75    | 75    | 46    | 100% | 61%         | \$117   | \$14,116    | \$307   |
| VDOT Asphalt Plant Level 2                           | 45    | 45    | 23    | 100% | 51%         | \$117   | \$7,933     | \$345   |
| Welding  | 20    | 18    | 18    | 90%  | 100%        | \$927   | \$33,882    | \$1,882 |
| Work Zone Flagger                                    | 95    | 95    | 87    | 100% | 92%         | \$140   | \$25,549    | \$294   |
| Education, Training, and Library (25)                | 75    | 74    | 75    | 99%  | 101%        | \$1,330 | \$198,170   | \$2,642 |
| Teaching License                                     | 75    | 74    | 75    | 99%  | 101%        | \$1,330 | \$198,170   | \$2,642 |
| Healthcare Practitioners and Technical (29)          | 316   | 313   | 150   | 99%  | 48%         | \$620   | \$288,399   | \$1,923 |
| Apprentice Medical Scribe Professional (AMSP)        | 14    | 14    | 11    | 100% | 79%         | \$630   | \$15,572    | \$1,416 |
| EKG Technician (NHA)                                 | 77    | 77    | 42    | 100% | 55%         | \$547   | \$65,248    | \$1,554 |
| Paramedic  | 6     | 6     | 6     | 100% | 100%        | \$900   | \$10,800    | \$1,800 |
| Pharmacy Technician                                  | 219   | 216   | 91    | 99%  | 42%         | \$638   | \$196,779   | \$2,162 |
| Healthcare Support (31)                              | 1,591 | 1,583 | 1,190 | 99%  | <b>75</b> % | \$872   | \$2,432,958 | \$2,045 |
| Advanced Cardiovascular Life Support                 | 16    | 16    | 16    | 100% | 100%        | \$50    | \$1,600     | \$100   |
| Advanced Emergency Medical Technician (AEMT) (NREMT) | 16    | 15    | 11    | 94%  | 73%         | \$1,121 | \$29,041    | \$2,640 |
| Certified Nurse Aide (CNA)                           | 272   | 271   | 138   | 100% | 51%         | \$828   | \$332,307   | \$2,408 |
| Emergency Medical Technician (NREMT)                 | 50    | 50    | 27    | 100% | 54%         | \$609   | \$46,408    | \$1,719 |
| Licensed Massage Therapist                           | 15    | 15    | 10    | 100% | 67%         | \$1,500 | \$37,500    | \$3,750 |
| Medical Assistant                                    | 740   | 734   | 640   | 99%  | 87%         | \$1,057 | \$1,455,544 | \$2,274 |
| Medication Aide                                      | 20    | 20    | 10    | 100% | 50%         | \$367   | \$11,010    | \$1,101 |
| Dealth of Administration Co. Co. Co. Co.             |       |       |       |      |             |         |             |         |
| Pediatric Advanced Life Support                      | 5     | 5     | 5     | 100% | 100%        | \$50    | \$500       | \$100   |

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| Phlebotomy Technician  | 457   | 457   | 333   | 100% | 73%  | \$657   | \$519,048   | \$1,559 |
|--|-------|-------|-------|------|------|---------|-------------|---------|
| Installation, Maintenance, and Repair (49)                               | 1,271 | 1,225 | 1,091 | 96%  | 89%  | \$866   | \$2,043,973 | \$1,873 |
| ASE Entry-Level Certification:   | 4     | 4     | 4     | 100% | 100% | \$1,500 | \$12,000    | \$3,000 |
| Electrical/Electronic Systems  |       |       |       |      |      |         |             |         |
| ASE Entry-Level Medium/Heavy Truck Brakes                                | 23    | 23    | 20    | 100% | 87%  | \$1,000 | \$43,000    | \$2,150 |
| ASE Entry-Level Medium/Heavy Truck Electrical/Electronic Systems         | 23    | 16    | 20    | 70%  | 125% | \$1,000 | \$36,000    | \$1,800 |
| ASE Entry-Level Medium/Heavy Truck Inspection Maintenance & Minor Repair | 21    | 10    | 20    | 48%  | 200% | \$1,000 | \$30,000    | \$1,500 |
| Certificate for Apartment Maintenance<br>Technician                      | 11    | 11    | 9     | 100% | 82%  | \$650   | \$13,000    | \$1,444 |
| Compact Diesel Engine Certification                                      | 4     | 4     | 3     | 100% | 75%  | \$333   | \$2,331     | \$777   |
| Driveline/Hydraulics Certification                                       | 4     | 4     | -     | 100% | 0%   | \$225   | \$900       | NA      |
| Electrical   | 282   | 280   | 242   | 99%  | 86%  | \$575   | \$302,637   | \$1,251 |
| Electrical Systems   | 4     | 4     | 3     | 100% | 75%  | \$200   | \$1,400     | \$467   |
| Engine Repair  | 19    | 19    | 11    | 100% | 58%  | \$184   | \$5,465     | \$497   |
| EPA Section 608 Technician Certification                                 | 50    | 50    | 47    | 100% | 94%  | \$461   | \$44,675    | \$951   |
| ESCO System Diagnostics & Troubleshooting (Air Conditioning)             | 13    | 13    | 13    | 100% | 100% | \$425   | \$11,050    | \$850   |
| Heavy Equipment Operations   | 105   | 104   | 93    | 99%  | 89%  | \$1,117 | \$219,177   | \$2,357 |
| Heavy truck engines  | 23    | 16    | 21    | 70%  | 131% | \$1,000 | \$37,000    | \$1,762 |
| Heavy truck suspension & steering  | 20    | 10    | 18    | 50%  | 180% | \$1,000 | \$28,000    | \$1,556 |
| HVAC   | 310   | 309   | 233   | 100% | 75%  | \$735   | \$403,516   | \$1,732 |
| PMI - Slide Caliper Measurement  | 12    | 12    | 12    | 100% | 100% | \$333   | \$7,992     | \$666   |
| Power Industry Fundamentals  | 126   | 126   | 125   | 100% | 99%  | \$1,200 | \$301,200   | \$2,410 |
| Power Line Worker  | 165   | 165   | 161   | 100% | 98%  | \$1,476 | \$481,500   | \$2,991 |
| Power Line Worker: Distribution Level 2                                  | 14    | 14    | 14    | 100% | 100% | \$1,500 | \$42,000    | \$3,000 |
| SHRM Certified Professional  | 7     | 7     | -     | 100% | 0%   | \$690   | \$4,830     | NA      |
| Slide caliper management   | 23    | 16    | 22    | 70%  | 138% | \$366   | \$13,908    | \$632   |
| Solar Installation Technician Certification                              | 8     | 8     | _     | 100% | 0%   | \$299   | \$2,392     | NA      |
| Office and Administrative Support (43)                                   | 602   | 593   | 386   | 99%  | 65%  | \$932   | \$896,054   | \$2,321 |
| Billing and Coding Specialist  | 187   | 187   | 151   | 100% | 81%  | \$1,060 | \$358,519   | \$2,374 |
| Customer Services and Sales  | 10    | 10    | 10    | 100% | 100% | \$232   | \$4,640     | \$464   |
| Medical Administrative Assistant   | 136   | 136   | 115   | 100% | 85%  | \$710   | \$177,958   | \$1,547 |
| Professional Coder   | 209   | 200   | 82    | 96%  | 41%  | \$1,068 | \$294,757   | \$3,595 |
| SHRM Certified Professional  | 60    | 60    | 28    | 100% | 47%  | \$686   | \$60,180    | \$2,149 |

| Production (51)   | 1,243 | 1,240 | 1,016 | 100% | 82%  | \$579   | \$1,289,354 | \$1,269 |
|---|-------|-------|-------|------|------|---------|-------------|---------|
| Backflow Prevention   | 21    | 21    | 21    | 100% | 100% | \$100   | \$4,200     | \$200   |
| CNC Milling   | 13    | 13    | 10    | 100% | 77%  | \$746   | \$16,615    | \$1,662 |
| CNC Turning   | 10    | 10    | 7     | 100% | 70%  | \$743   | \$12,085    | \$1,726 |
| Drill Press Skills 1, Machining                                 | 4     | 4     | 4     | 100% | 100% | \$299   | \$2,392     | \$598   |
| Fi4.0CP Level 1 - Industry 4.0 Fundamentals                     | 11    | 11    | 10    | 100% | 91%  | \$700   | \$14,700    | \$1,470 |
| Flux Core Arc Welding (FCAW)                                    | 161   | 160   | 118   | 99%  | 74%  | \$682   | \$189,137   | \$1,603 |
| Fundamentals of Mechanical Systems                              | 19    | 19    | 19    | 100% | 100% | \$412   | \$15,642    | \$823   |
| Gas Metal Arc Welding (GMAW)                                    | 192   | 192   | 127   | 100% | 66%  | \$698   | \$222,899   | \$1,755 |
| Gas Tungsten Arc Welding (GTAW)                                 | 56    | 56    | 23    | 100% | 41%  | \$306   | \$24,411    | \$1,061 |
| Industrial Maintenance Electrical and Instrumentation - Level 1 | 2     | 2     | -     | 100% | 0%   | \$1,500 | \$3,000     | NA      |
| Industrial Maintenance Mechanic - Level 1                       | 3     | 3     | 3     | 100% | 100% | \$932   | \$5,592     | \$1,864 |
| Industrial Maintenance Mechanic - Level 2                       | 3     | 3     | 3     | 100% | 100% | \$932   | \$5,592     | \$1,864 |
| Job Planning, Benchwork, and Layout                             | 21    | 21    | 21    | 100% | 100% | \$384   | \$16,144    | \$769   |
| Lean Practitioner Certification                                 | 130   | 130   | 125   | 100% | 96%  | \$400   | \$102,000   | \$816   |
| Level 1 CNC Milling: Programming Setup & Operations             | 7     | 7     | 7     | 100% | 100% | \$800   | \$11,200    | \$1,600 |
| Manual Milling Skills 1, Machining                              | 9     | 9     | 9     | 100% | 100% | \$600   | \$10,792    | \$1,199 |
| Manufacturing Specialist (MS)                                   | 78    | 78    | 78    | 100% | 100% | \$528   | \$82,432    | \$1,057 |
| Manufacturing Technician 1 (MT1)                                | 93    | 93    | 78    | 100% | 84%  | \$272   | \$46,488    | \$596   |
| Marine Trade Training: Outside Machinist<br>Level 1             | 58    | 58    | 58    | 100% | 100% | \$668   | \$77,530    | \$1,337 |
| Masonry - Level 1   | 3     | 3     | 3     | 100% | 100% | \$932   | \$5,594     | \$1,865 |
| Measurement, Materials, and Safety                              | 29    | 28    | 27    | 97%  | 96%  | \$401   | \$21,093    | \$781   |
| Photovoltaic - Entry Level                                      | 7     | 7     | 7     | 100% | 100% | \$475   | \$6,650     | \$950   |
| Pneumatics Level 1  | 4     | 4     | 3     | 100% | 75%  | \$399   | \$2,793     | \$931   |
| Shielded Metal Arc Welding (SMAW)                               | 265   | 264   | 227   | 100% | 86%  | \$676   | \$326,071   | \$1,436 |
| Siemens Mechatronic Systems Certification<br>Program Level 1    | 11    | 11    | 11    | 100% | 100% | \$700   | \$15,400    | \$1,400 |
| Six Sigma Green Belt  | 7     | 7     | -     | 100% | 0%   | \$800   | \$5,600     | NA      |
| Turning Operations: Turning Chucking Skills                     | 2     | 2     | 2     | 100% | 100% | \$500   | \$2,000     | \$1,000 |
| Welder  | 24    | 24    | 15    | 100% | 63%  | \$1,046 | \$41,302    | \$2,753 |
| Public Administration (92)                                      | 12    | 12    | 4     | 100% | 33%  | \$183   | \$2,760     | \$690   |
| Emergency Telecommunicator                                      | 12    | 12    | 4     | 100% | 33%  | \$183   | \$2,760     | \$690   |

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| Transportation and Material Moving (53)                                    | 2,982  | 2,966  | 2,614 | 99%  | 88%  | \$1,325 | \$7,257,349  | \$2,776 |
|--|--------|--------|-------|------|------|---------|--------------|---------|
| ASME IX Pressure Pipe  | 2      | 2      | 2     | 100% | 100% | \$267   | \$1,068      | \$534   |
| Bridge Preservation for Inspectors   | 27     | 27     | 26    | 100% | 96%  | \$200   | \$10,600     | \$408   |
| Central Mix Aggregate Plant  | 56     | 56     | 37    | 100% | 66%  | \$200   | \$18,600     | \$503   |
| Commercial Driver's License  | 2,469  | 2,455  | 2,180 | 99%  | 89%  | \$1,466 | \$6,621,692  | \$3,037 |
| Commercial Driver's License Class A<br>Endorsement                         | 2      | 2      | 2     | 100% | 100% | \$600   | \$2,400      | \$1,200 |
| Commercial Driver's License Class B<br>Endorsement                         | 14     | 12     | 13    | 86%  | 108% | \$893   | \$22,000     | \$1,692 |
| Intermediate Work Zone Traffic Control<br>Training & Flagger Certification | 19     | 19     | 19    | 100% | 100% | \$134   | \$5,092      | \$268   |
| Logistics Associate  | 79     | 79     | 75    | 100% | 95%  | \$315   | \$48,200     | \$643   |
| Logistics Technician   | 82     | 82     | 73    | 100% | 89%  | \$415   | \$63,800     | \$874   |
| New Structures and Bridges for Inspectors                                  | 30     | 30     | 29    | 100% | 97%  | \$250   | \$14,750     | \$509   |
| Power Line Commercial Driver's License Class<br>A Endorsement              | 149    | 149    | 144   | 100% | 97%  | \$1,487 | \$435,667    | \$3,025 |
| Remote Pilot Airman Certification  | 53     | 53     | 14    | 100% | 26%  | \$208   | \$13,480     | \$963   |
| Grand Total  | 11,533 | 11,429 | 8,794 | 99%  | 77%  | \$802   | \$16,265,104 | \$1,850 |

<sup>\*</sup>Education, Training, and library rates exceed 100% due to students earning credential but not completing training.