



To: Indiana State Board of Education (SBOE)

Date: May 29, 2019

Subject: Career & Technical Education (CTE) Program Categorizations and Funding Recommendations – **Additional Course**

Pursuant to Indiana Code (IC) [20-43-8-7.5](#), the Indiana Department of Workforce Development (DWD) submits the following report, providing recommendations to the Indiana State Board of Education (SBOE) on Career and Technical Education (CTE) program designations. The report outlines the methodology and the labor market information used to make such designations in determining tuition support funding that schools corporations will receive for students enrolled in CTE courses during the 2019-2020 school year.

Funding Methodology

In 2017, the Indiana General Assembly tasked DWD with assigning CTE program designations and utilizing an updated methodology for advanced, CTE courses. P.L. 230-2017 consolidated the wage and demand categories into three distinct categories: high value, moderate value, and less than moderate value; while maintaining current funding levels for introductory, and foundational programs. Funded CTE courses were designated based upon the skills and knowledge obtained from the learning that takes place. Apprenticeships, cooperative education courses, work-based learning courses were changed from \$300 per pupil to \$150 per pupil.

Funding is maintained for students participating in a CTE program in which students from multiple schools are served at a common location (area participation). Eligibility for area participation funds is restricted to only those students who travel from the school in which they are currently enrolled to the conducting school for the instruction.

| State CTE Funding – Enrollment Reimbursement Rates Per Credit Hour | |
|---|-------|
| High Value Program | \$680 |
| Moderate Value Program | \$400 |
| Less than Moderate Value Program | \$200 |

| State CTE Funding - Enrollment Reimbursement Rates Per Pupil | |
|---|-------|
| Introductory | \$300 |
| Apprenticeship | \$150 |
| Cooperative Education Course | \$150 |
| Foundational | \$150 |
| Work-Based Learning | \$150 |
| Area Participation Program | \$150 |

CTE programs must be approved by DWD in order for a school corporation to receive a CTE enrollment grant.¹

IN Demand Ranking Methodology

Indiana has an occupational demand ranking system designated by “Flames.” An occupation will be assigned between 1 and 5 Flames, depending on how “in demand” that occupation is in Indiana. Occupations within the range of 3.00 and 5.00 are determined to be in the upper demand thresholds. The methodology for the occupational demand ranking system is detailed below.²

Each occupation in Indiana is designated a 1-10 score in 5 categories: Total Openings (X2), Growth Openings for both short term and long term outlook, Percentage Change, Real Time Labor Market Information, and Wages using 2016-2018 Short Term Projections and 2014-2024 Long Term Projections and Bureau of Labor Statistics Occupational Employment Statistics wage estimates. The scoring method is determined by deciles or, in other words, a percentile system ranging from the 90th percentile down to the 10th percentile and under. The averaged total for each occupation is then divided by two to produce an Indiana Demand Ranking in both outlooks. Lastly, both the short term and long term outlook Indiana Demand Ranking scores for each occupation are averaged to calculate the occupation’s final rating. Because occupational demand drives the ranking of occupations, median wage levels can vary within each scoring threshold, however a wage rule is in place to prevent low wage, high demand occupations from scoring within the 3 to 5 flame categories. Any occupation scoring 3 or 4 (out of 10) in the wage category cannot score higher than 3 flames, and any occupation scoring 1 or 2 (out of 10) in the wage category cannot score higher than 2 flames.

Scoring Mechanism

IN Demand Ranking scores per occupation code were averaged by the occupation grouping determined to align with each CTE pathway program code. Less than moderate value courses score within a 0.00-2.99 threshold. Moderate value courses score within a 3.00-3.49 threshold, and high value courses score between 3.5 and 5.00.

¹ [Senate Enrolled Act 198](#)

² [IN Demand Flame Methodology](#)

| Flame Funding Levels with Flames Threshold | | |
|--|-----------------|---|
| Course Designation | Flame Threshold | Reimbursement Rate (per Credit/per Pupil) |
| Less than Moderate Value | 0.00-2.99 | \$200 |
| Moderate Value | 3.00-3.49 | \$400 |
| High Value | 3.50-5.00 | \$680 |

The Indiana Department of Workforce Development (DWD) would like to recommend the addition of DOE approved course **#5261 – PLTW Cybersecurity** as a **high value** course designation for the 2019-2020 school year.

The course was only approved by the State Board of Education at the December 2018 meeting, and the DWD had already submitted its funding recommendations for 2019-20 at the same meeting.

| IDOE Course Code | IDOE Course Name | Cluster/ Subject Area | Credits Per Semester | Max Credits Allowed | CTE Funding Threshold | CTE Funding Level |
|------------------|--------------------|-----------------------|----------------------|---------------------|-----------------------|-------------------|
| 5261 | PLTW Cybersecurity | IT | 1-3 | 6 | High Value | \$680 |