

2016-17 Carl Perkins IV Secondary Reserve Grant Career and Technical Education (CTE)

The 2016-17 Carl Perkins IV Secondary Reserve Grant application will be available in ePlan on March 23. The application period will close on April 25 at 11:59 p.m. central.

In addition to submitting a completed application in ePlan, all eligible applicants (LEAs) will need to submit by email a **Notice of Intent to Apply** to Shoney Naquin at Shoney.D.Naquin@tn.gov by 4:30 p.m. central on April 1. Failure to submit a *Notice of Intent to Apply* by the time stated will disqualify any subsequent application filed by the LEA.

A summary of critical dates is provided below:

- *Application Available in ePlan:* March 23
- *Deadline for Notice of Intent to Apply:* April 1 (no later than 4:30 p.m. central)
- *Deadline for Submission of Applications:* April 25 (no later than 11:59 p.m. central)

Funding Opportunity Description

Grant Purpose:

Carl Perkins IV Secondary Reserve Grants (hereinafter referred to as “reserve grant”) are authorized under the Carl Perkins IV Act of 2006, Section 112(a)(1). States may reserve not more than 10 percent (or 8.5 percent of the total allotment) for distribution to:

1. **Local programs in rural areas:** defined as a rural and/or sparsely populated LEA is determined based on the NCES Locale Code eligibility requirements for Title VI of ESEA, Rural Education Initiative (Locale Code 6, 7 or 8);
2. **Areas with high numbers of CTE students:** an LEA with 200 or more CTE participants in grades 9–12 is considered an LEA with high numbers of CTE students, or;
3. **Areas with high percentages of CTE students:** an LEA with 25 percent or more of the total student population in grades 9–12 are CTE participants is considered a high percentage LEA.

The purpose of the reserve grant is to prepare students who enroll in career and technical education (CTE) courses for high-skill, high-wage, and/or high-demand occupations and emerging opportunities, as well as support linkages between secondary and postsecondary CTE programs of study.

The Tennessee Department of Education (TDOE) will distribute reserve funding to eligible LEAs through a competitive grant process. Reserve funds must be used as described in Section 135 (local uses of funds) in the Carl Perkins IV Act of 2006.

Grant Description:

Applicants (LEAs) should approach their grant proposals based on one of two models:

1. **Continuation** of a current 2015-16 Carl Perkins IV Reserve Grant
2. A **new** Carl Perkins IV Reserve Grant
(Current grantees are eligible to submit an application for a separate, new initiative for 2016-17.)

Grant Background:

Since the passing of the Carl Perkins IV Act of 2006, TDOE has exercised the option to offer the Perkins IV Reserve Grants. Since fiscal year 2013-14, the design and the areas of focus of the Perkins Reserve grants have reflected the strategic direction of the department and the division of college, career and technical education.

Grant Award Information:

Type of Award: Discretionary

Estimated Amount of Available Funds: \$1,570,000

Estimated Number of Awards: 20-35

Project Period: A total of twelve months from July 1, 2016 to June 30, 2017, with all funds to be obligated by June 30, 2017 and liquidated by September 30, 2017.

Note: The department is not bound by any estimates in this notice.

Applicant Eligibility:

Eligible Applicants: Local Education Agencies (LEAs), as defined in the Elementary and Secondary Education Act, which demonstrate an ability to deliver one or more of the five focus areas of this grant and are otherwise eligible under the Carl Perkins IV Act of 2006.

Cost Sharing or Matching: It is expected that the applicant's budget proposal reflects a local contribution to the project. Additional points will be awarded based on the amount of effort towards matching. There is no minimum percentage requirement. Indirect charges are not allowed but there is a 5 percent allowance for administration.

Funds to be released: All grant funding will be by reimbursement based on invoices submitted by the applicant's fiscal agent. One hundred percent (100%) of the funding is available for reimbursement at the beginning of the grant period.

Grant Submission:

Submission: Applications must be submitted electronically via the ePlan system at eplan.tn.gov. The application will be available in ePlan on March 23.

Applicants will complete and submit their entire grant applications in ePlan, including proposed budgets. Applicants, who are selected, will be required to complete an *Assurances and Signatures* form (refer to attached) upon acceptance of the grant.

For convenience, the 2016-17 Perkins IV Reserve Grant Application Worksheet can be found on page 5 of this document. This worksheet provides the questions listed in the ePlan application for this grant. Applicants may utilize this worksheet to develop responses prior to entry in ePlan.

The deadline for grant submission is 11:59 p.m. central on April 25.

Questions:

Questions may be directed to Bobby.Sanborn@tn.gov or by phone at (615) 532-2846.

2016-17 Carl Perkins IV Reserve Grant

Focus Areas

The first four focus areas cannot be combined with one another. The fifth focus area, capstone industry certifications, can either be supplemental to one of the below focus areas (1–4), or it can be submitted as a stand-alone focus area.

1. **Work-Based Learning (WBL)**. Under this focus area, an applicant may choose one of the following:
 - a. Development of a **youth apprenticeship model** that would be piloted through and with TDOE. The 2016-17 school year would be a planning year with the grant **award capped at \$10,000**. With the successful completion of the planning year, a grant recipient may apply for 2017-18 Perkins Reserve Grant funding to implement the model. Applicants interested in this are strongly encouraged to contact either Chelsea.Parker@tn.gov, Danielle.Mezera@tn.gov, or Mikki.Hornstein@tn.gov to discuss further.
 - b. Development of a **progressive, district-wide work-based learning model** that spans all grades (K–12) and is reflective of the TDOE-promoted, progressive K-12 WBL model. The 2016-17 school year would be a planning year with the grant **award capped at \$10,000**. With the successful completion of the planning year, a grant recipient may apply for 2017-18 Perkins Reserve Grant funding to implement the model. Applicants interested in this are strongly encouraged to contact either Chelsea.Parker@tn.gov, Danielle.Mezera@tn.gov or Mikki.Hornstein@tn.gov to discuss further.

To qualify for consideration, please complete the application specifically for this focus area.

2. Purchase of **lab-based** and/or **project-based equipment** needed to offer one or more TDOE-promoted [programs of study](#) listed for the 2016-17 school year. To qualify for this focus area, an applicant must:
 - i. offer the identified program of study for the 2016-17 school year;
 - ii. have students enrolled in one or more courses tied to the program of study;
 - iii. show evidence that the identified program of study is fully aligned with local and/or regional high demand, high skills industry opportunities; and
 - iv. show evidence that the identified program of study is fully aligned with a local and/or regional postsecondary program leading to a credential.

For this focus area, the grant **award is capped at \$50,000**. For equipment that exceeds the cap amount, an applicant is encouraged to consider ways to leverage the Perkins Reserve Grant in order to secure other funding sources (public, private, and corporate) that could further enhance the district's purchasing power.

To qualify for consideration, please complete the application specifically for this focus area.

3. **Testing site/licensed instructor to administer industry certifications.** TDOE-identified capstone industry certifications can often be tested on-site or through an approved licensed instructor. This focus area allows for an applicant to request funding to 1) become an approved testing site for a TDOE-promoted industry certification and/or 2) allow an instructor to become a licensed administrator of a TDOE-promoted industry certification. See Appendix B for a list of TDOE-identified capstone industry certifications meeting these criteria.
*(NOTE: If an industry certification is **required** for teacher licensure, then exam and preparation costs cannot be reimbursed per Perkins guidelines. Only certifications that are not required for a teacher's license may be included.)*

An awarded applicant will be reimbursed following submission of appropriate documentation for exam costs, site licenses, and preparation materials. For this focus area, the **grant award is capped at \$12,000.**

To qualify for consideration, please complete the application specifically for this focus area.
(NOTE: the department reserves the right to disallow reimbursements for certifications not listed.)

4. Development and/or implementation of a grades 7–14/16 **Academic/Career Learning Pathway** that reinforces secondary to postsecondary to career opportunities for students based on the guiding principles of the *Pathways Tennessee* statewide initiative (www.pathwaystn.org). This initiative serves as the state's leading driver in linking local, regional, and state economic and labor market needs and trends with secondary and postsecondary offerings and trainings across counties and regions.

To qualify for this focus area, an applicant must be an identified fiscal agent for an existing regional intermediary organization for an existing (or expansion) Pathways Tennessee region. Additionally, the following criteria must be met:

1. Development of regional strategic plan based on the Pathways Tennessee state network template with measurable goals for the life of the grant, reflecting the region's long-term goals and vision.
2. Demonstrate sustainability through letters of support, memoranda of understanding (where appropriate), and local match/in-kind funding.

Questions concerning this focus area should be directed to Nick.Hansen@tn.gov, or visit www.pathwaystn.org for additional information on Pathways Tennessee and its existing and expansion regions.

To qualify for consideration, reach out to Nick Hansen directly at Nick.Hansen@tn.gov

The following focus area can either be supplemental to one of the above focus areas, or it can be submitted as a stand-alone focus area:

5. Promotion of TDOE-identified **capstone industry certifications** tied to the [2016-17 programs of study](#). An awarded applicant will be reimbursed following submission of appropriate exam cost documentation for one or more TDOE-identified capstone industry certifications. Please refer to Appendix A (Promoted Student Industry Certifications) and [Student Industry Certification Policy](#). *(Note: preparation materials will not be reimbursed.)*

This focus area applies only to industry certifications, which are listed as **capstone** industry certifications (i.e., they are aligned to a TDOE-promoted program of study, are given with the final fourth level course, and are transferrable to postsecondary). *(Exception: a TDOE-promoted program of study which promotes module certifications leading up to a capstone experience is allowable under this focus area).*

Districts are restricted to a selection of **no more than ten** different industry certifications to ensure quality implementation. For this focus area, the **grant award is capped at \$10,000**. An awarded applicant may apply annually for this focus area. Applying for this focus area **does not limit an applicant from also applying for another focus area**.

To qualify for consideration, please complete the application specifically for this focus area.

(NOTE: the department reserves the right to disallow reimbursements for certifications not listed, as well as to disallow any reimbursements for certifications that are not aligned to the identified program(s) of study.)

2016-17 Perkins IV Secondary Reserve Grant Notification of Intent to Apply

Date: _____

Local Education Agency(ies) (Applicant): _____

Grant Application Model (circle or highlight one):

1. **Continuation** of a current 2015-16 Carl Perkins IV Reserve Grant
2. A **new** Carl Perkins IV Reserve Grant
(Current grantees are eligible to submit an application for a separate, new initiative for 2016-17.)

Grant Application Focus Area:

Circle or highlight desired focus area below:

- **Youth apprenticeship model** or **progressive district-wide work-based learning model**
- **Lab-based** and/or **project-based equipment**
- **Testing site/licensed instructor** to administer industry certifications
- Grades 7-14/16 **academic/career learning pathway**

The following focus area can either be supplemental to one of the above focus areas, or submitted as a stand-alone:

- TDOE identified capstone **industry certifications**

Projected Request Amount (if more than one, list each focus area separately): _____

Briefly describe the rationale for Focus Area selection(s). (Please keep this to ½ page or less.)

Submit *Notice of Intent to Apply* by email to Shoney Naquin at Shoney.D.Naquin@tn.gov by 4:30 p.m. central on April 1. Failure to submit *Notice of Intent to Apply* by the time stated will disqualify any subsequent application filed by the applicant.

Questions for Focus Area 1

Youth Apprenticeship/Progressive Work-Based Learning

The grant application and proposed budget must be completed in ePlan. The application will open in ePlan on March 23. The deadline for submission in ePlan is 11:59 p.m. central, April 25. This focus area can only be supplemented with the capstone industry certifications focus area.

1. Which work-based learning model (WBL) has been selected for planning funds – Youth Apprenticeship or K-12, District-Wide?
2. What is the proposed title of your initiative?
3. Briefly describe (no more than two paragraphs) why you are applying for this particular focus area. Identify specific district goals and/or strategic plans that target or reflect this desired opportunity. If no district goal or plan exists, state how the resulting initiative from the planning grant will be incorporated into district goals/plans going forward.
4. Why was the particular model chosen for your district?
 - If Youth Apprenticeship, please state what industry sector(s) will be targeted and what specific (a) strengths and (b) opportunities exist with the targeted industry sector(s) in your local area.
 - If K-12, District-Wide, please state what specific district and community (a) strengths and (b) opportunities exist currently that would encourage the successful development of this model.
5. District Planning Team: (a) List specific names and titles of district/school personnel who will serve on the planning team and (b) Identify who will lead the team. To complement this, a signed letter from the Director of Schools, affirming (a) the appointment/involvement of these identified personnel and (b) district commitment to the planning and implementation of the initiative, is required and must be uploaded as part of the application submission.
6. Planning Partners: List specific businesses and/or community organizations who will serve as external planning partners. Please identify which are current district partners and which would be new district partners for planning purposes. For each listed partner, state why their involvement is necessary.
7. Describe the meeting, reporting, and decision making process that will be utilized to ensure that the initiative is planned successfully and is ready for implementation.
8. Identify key deliverables - and when they would be expected during the planning year - that would represent the planning process is on target. *[Note: An awarded district will complete a thorough 12-month planning document, which will include specific planning goals and deliverables, as part of the award obligation.]*
9. Define how the applicant meets one of the below requirements (definitions found on page 1 of the grant announcement):
 - a. Local programs in rural areas,
 - b. Areas with high numbers of CTE students, or
 - c. Areas with high percentages of CTE students.

Questions for Focus Area 2 Lab/Project Based Equipment

The grant application and proposed budget must be completed in ePlan. The application will open in ePlan on March 23. The deadline for submission in ePlan is 11:59 p.m. central, April 25. This focus area can only be supplemented with the capstone industry certifications focus area.

1. What is the proposed project/initiative title?
2. What equipment will be purchased for this initiative? Which 2016-17 program of study does this equipment support?
3. Provide local and regional data showing how the proposed equipment is aligned to postsecondary and economic/labor opportunities that prepare students for high-skill, high-wage, or high-demand occupations.
4. Clearly state how education (secondary and postsecondary) and industry are (or will be) interlinked and engaged in the proposed project/initiative.
5. Based on proposed project/initiative, what efforts has the applicant already taken to ensure success during the grant period?
6. Identify strategic partnerships (postsecondary, industry, other districts) already in place that provide an advantage in implementing the proposed project/initiative.
7. What commitments (funding or otherwise) are anticipated to sustain the project/initiative once the Reserve Grant funds expire? (Please be specific.)
8. Define how the applicant meets one of the below requirements (definitions found on page 1 of the grant announcement):
 - a. Local programs in rural areas,
 - b. Areas with high numbers of CTE students, or
 - c. Areas with high percentages of CTE students.
9. Explain how the awarding of a Perkins Reserve Grant will complement the applicant's regular Perkins formula funded programs.
10. How many students will be impacted during the grant year?

Questions for Focus Area 3 Testing Site/Licensed Instructor

The grant application and proposed budget must be completed in ePlan. The application will open in ePlan on March 23. The deadline for submission in ePlan is 11:59 p.m. central, April 25. This focus area can only be supplemented with the capstone industry certifications focus area.

1. List which 2016-17 capstone industry certifications will be targeted under this area of focus and provide the aligned program of study and capstone course (provide course name and course code) for each industry certification listed.
2. For each industry certification listed above, identify whether the applicant is seeking to set up a testing site or train a licensed instructor. *(NOTE: there are some certifications which will allow for both. If this is the case, please specify that the district will be seeking both options. See the list of approved industry certifications in Appendix B.)*
3. Identify strategic partnerships (postsecondary, industry, other districts) already in place (or will be in place) that provide an advantage in implementing the proposed project/initiative.
4. What efforts has the applicant already taken to ensure success during the grant period?
5. As a result of the proposed plan, how many students will become eligible to complete the coursework and sit for capstone industry certifications in the 2016-17 school year? What is the total amount of funding requested for this focus area?
6. How has/how will the applicant ensure that students will be prepared to sit for the industry certifications associated with becoming a testing site/training a licensed instructor?
7. Explain how the awarding of a Perkins Reserve Grant will complement the applicant's regular Perkins formula funded programs.
8. What commitments (funding or otherwise) are anticipated to sustain the project/initiative once the Reserve Grant funds expire? (Please be specific.)
9. Define how the applicant meets one of the below requirements (definitions found on page 1 of the Grant Announcement):
 - a. Local programs in rural areas,
 - b. Areas with high numbers of CTE students, or
 - c. Areas with high percentages of CTE students.

Questions for Focus Area 4

Grades 7–14/16 Academic/Career Pathways Questions

The grant application and proposed budget must be completed in ePlan. The application will open in ePlan on March 23. The deadline for submission in ePlan is 11:59 p.m. central, April 25. This focus area can only be supplemented with the capstone industry certifications focus area.

To apply for this focus area, please contact Nick Hansen, director of Pathways TN, at Nick.Hansen@tn.gov. Applicants who are approved to apply (by meeting the focus area criteria), will receive the required grant application questions directly via email. Once completed, the responses should be uploaded into the “Related Documents” section of the “CTE Perkins Reserve” funding application for fiscal year 2017, in addition to submitting the required budget information in ePlan.

Questions for Focus Area 5

Capstone Industry Certification Grant

The following must be completed in ePlan. The application will open in ePlan on March 23. The deadline for submission is 11:59 p.m. central on April 25.

Grant submissions for Capstone Industry Certifications are capped at \$10,000. Applicant should include the total amount requested for student industry certifications on the "Other Supplies & Materials" line (71300 499) of the budget template, even if additional costs related to another 2016-17 Perkins Reserve Grant focus areas are also listed on this line. This focus area can be submitted as a stand-alone focus area or as a supplement to another focus area.

1. List which 2016-17 capstone industry certifications will be targeted under this area of focus and provide the aligned program of study (which must be offered by the district). Note: Applicants are restricted to select no more than ten different capstone industry certifications to ensure quality implementation.
2. List capstone industry certifications and the aligned course in which students will be enrolled when they take the industry certification exam (provide course name and course code for each certification listed).
3. How many students will be prepared to take the proposed industry certifications during the 2016-17 school year?
4. What is the total amount of funding requested for this focus area?
5. How will the applicant ensure students will complete the required coursework in time to sit for the industry certifications (how will the applicant ensure that students have progressed through the program study prior to sitting for the exam)?
6. What is the plan to ensure **all** students in the capstone course will actually sit for the exam? It is the expectation that districts test **all students enrolled in the capstone course**. If a district is not testing all students enrolled in the course, provide justifications for this decision in the response below.
7. How will the percentage of students who passed the exam be tracked and recorded?
8. How does the applicant plan to communicate this opportunity to the following stakeholders: 1) parents, 2) students, 3) teachers, 4) counselors, and 5) school building administrators?
9. Define how the applicant meets one of the below requirements (definitions found on page 1 of the Grant Announcement):
 - a. Local programs in rural areas,
 - b. Areas with high numbers of CTE students, or
 - c. Areas with high percentages of CTE students.
10. What commitments (funding or otherwise) are anticipated to sustain the project/initiative once the Reserve Grant funds expire? (Please be specific.)

2016-17 Perkins IV Reserve Grant Sample Budget Template

(to be uploaded in ePlan)

CTE PERKINS RESERVE GRANT BUDGET & LOCAL MATCH

INSTRUCTIONS

1. Complete the "CTE Perkins Reserve Budget" column according to the exact amount of funding you are requesting.
2. Make sure that the CTE Perkins Reserve Budget that you enter on this page exactly matches the budget that you enter in the budget section of your ePlan application.
3. Complete the "Local Match" column to reflect local funds you are using to support your CTE Reserve program.
4. Once completed, upload this document to the "Budget & Local Match" link on the "Related Documents" page of your ePlan CTE Perkins Reserve application.

EXPENDITURE CATEGORY	PERKINS RESERVE BUDGET	LOCAL MATCH
71300 116 Salaries		
71300 162 Clerical Personnel		
71300 163 Educational Assistant Salaries		
71300 189 Other Salaries & Wages (such as PD)		
71300 201 Social Security		
71300 204 State Retirement		
71300 206 Life Insurance		
71300 207 Medical Insurance		
71300 208 Dental Insurance		
71300 210 Unemployment Compensation		
71300 211 Local Retirement		
71300 212 Employer Medicare		
71300 499 Other Supplies & Materials		
71300 730 CTE Instruction Equipment		
72130 355 Teacher PD (PD Travel-documented)		
72130 399 Other Contracted Svcs (outside presenter's PD)		
72130 524 PD Materials, Facility Rental, Supplies		
72230 355 CTE Director Travel		
72230 524 CTE Director Inservice/PD		
72230 599 Other Charges		
TOTALS	\$0.00	\$0.00

<i>Please note: The sum of the totals in the shaded cells above (5% cap on administration) cannot exceed 5% of your total CTE Perkins budget.</i>	
<i>Here is the total of your administrative costs: This number may not exceed 5% of your total grant budget.</i>	\$0.00
<i>Here is your total budget amount:</i>	\$0.00
<i>Here is your percentage of administration: This number may not exceed 5.00.</i>	

Appendix A: Allowable Capstone Industry Certifications

Name of Certification	Aligned Course	Aligned Program(s) of Study	Career Cluster(s)
American Welding Society Certified Welder	Welding II (6033)	Welding	Advanced Manufacturing
Level I Siemens Certified Mechatronic Systems Assistant	Mechatronics II (6157)	Mechatronics	Advanced Manufacturing
Machining Level I - Measurement, Materials, and Safety Certification (NIMS)	Principles of Manufacturing (5922)	Machining Technology	Advanced Manufacturing
Production Certification (CPT)	Principles of Manufacturing (5922)	Machining Technology	Advanced Manufacturing
EPA Section 608 Universal	HVAC (6077)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
HVAC Excellence Employment Ready Certifications	HVAC (6077)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
HVAC Excellence, Heating, Electrical, Air Conditioning Technology (H.E.A.T.)	HVAC (6077)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
NCCER Carpentry Level One	Structural Systems I (6164)	Structural Systems	Architecture & Construction
NCCER Carpentry Level Two	Structural Systems II (6165)	Structural Systems	Architecture & Construction
NCCER Construction Technology	Residential & Commercial Construction I (6162)	Residential & Commercial Construction	Architecture & Construction
NCCER Core Curriculum	Fundamentals of Construction (6073)	Residential & Commercial Construction Structural Systems Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
NCCER Electrical Level One	Electrical Systems (6075)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
NCCER Plumbing Level One	Plumbing Systems (6082)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
Universal R-410A	HVAC (6077)	Mechanical, Electrical, & Plumbing (MEP) Systems	Architecture & Construction
Microsoft Office Specialist (MOS) - All 5 Exams	Advanced Computer Applications (5904)	Office Management	Business Management & Administration

Name of Certification	Aligned Course	Aligned Program(s) of Study	Career Cluster(s)
Microsoft Office Specialist (Excel)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration
Microsoft Office Specialist (PowerPoint)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration
Microsoft Office Specialist (Word)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration
National Certified Compliance Officer (NCCO)	Banking & Finance, Financial Planning	Banking & Finance, Financial Planning	Finance
Certified Cardiovascular Technician	Cardiovascular Services (6131)	Diagnostic Services	Health Science
Certified EKG Technician	Cardiovascular Services (6131)	Diagnostic Services	Health Science
Certified Nursing Assistant	Nursing Education (6000)	Therapeutic Nursing Services	Health Science
Certified Pharmacy Technician	Pharmacological Science (6133)	Therapeutic Clinical Services	Health Science
Emergency Medical Responder (First Responder)	Emergency Medical Services (5995)	Emergency Services	Health Science
CDA- Child Development Associate	Early Childhood Education Careers (ECEC) III (6017)	Childhood Development Services	Human Services
TN Board of Cosmetology Exam- Barbering	Barbering III (5974)	Barbering	Human Services
TN Board of Cosmetology Exam- Cosmetology	Chemistry of Cosmetology (5984)	Cosmetology	Human Services
Cisco Certified Network Associate (CCNA)	Networking (6097)	Networking Systems	Information Technology
Cisco Certified Entry Network Tech (CCENT)	Networking (6097)	Networking Systems	Information Technology
CompTIA A+	Information Technology Foundations (6905)	All Information Technology POS	Information Technology
CompTIA IT Fundamentals	Information Technology Foundations (6905)	All Information Technology POS	Information Technology
CompTIA Network+	Networking (6097)	Networking Systems	Information Technology
Internet and Computing Core Certification (IC3)	Web Site Development (6101)	Web Design	Information Technology

Name of Certification	Aligned Course	Aligned Program(s) of Study	Career Cluster(s)
Solidworks	Engineering Design II (6140)	Engineering, Technology, STEM Education	STEM
Automotive Service Excellence Student Certification: Maintenance & Light Repair Certification	Maintenance & Light Repair IV (5882)	Automotive Maintenance and Light Repair	Transportation, Distribution, & Logistics
Automotive Service Excellence Student Certification: Nonstructural Analysis/Repair	Collision Repair: Non-structural (6062)	Automotive Collision Repair	Transportation, Distribution, & Logistics
Automotive Service Excellence Student Certification: Painting and Refinishing	Collision Repair: Painting & Refinishing (6063)	Automotive Collision Repair	Transportation, Distribution, & Logistics
Automotive Service Excellence Student Certification: Structural Analysis/Repair	Collision Repair: Structural (6064)	Automotive Collision Repair	Transportation, Distribution, & Logistics
I-CAR Refinish Technician ProLevel 1 or I-CAR Non-Structural Technician ProLevel 1	Collision Repair: Non-structural (6062)	Automotive Collision Repair	Transportation, Distribution, & Logistics

Appendix B: Allowable Site License/Instructor Certifications

Certification	Aligned Course	Program(s) of Study	Career Cluster(s)	Teacher Certification or Testing Site
Level I Siemens Certified Mechatronic Systems Assistant	Mechatronics II (6157)	Mechatronics	Advanced Manufacturing	Teacher Certification with appropriate endorsements
Production Certification (CPT)	Principles of Manufacturing (5922)	Machining Technology	Advanced Manufacturing	Teacher Certification with appropriate endorsements
American Welding Society Certified Welder	Welding II (6033)	Welding	Advanced Manufacturing	Testing Site
Microsoft Office Specialist (MOS) - All 5 Exams	Advanced Computer Applications (5904)	Office Management	Business Management & Administration	Teacher Certification with appropriate endorsements and Testing Site
Microsoft Office Specialist (Excel)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration	Teacher Certification with appropriate endorsements and Testing Site
Microsoft Office Specialist (PowerPoint)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration	Teacher Certification with appropriate endorsements and Testing Site
Microsoft Office Specialist (Word)	Advanced Computer Applications (5904)	Office Management	Business Management & Administration	Teacher Certification with appropriate endorsements and Testing Site
Certified Nursing Assistant	Nursing Education (6000)	Therapeutic Nursing Services	Health Science	Testing Site
CCNA Cisco Certified Network Associate	Networking (6097)	Networking Systems	Information Technology	Testing Site
Cisco Certified Entry Network Tech (CCENT)	Networking (6097)	Networking Systems	Information Technology	Testing Site

Certification	Aligned Course	Program(s) of Study	Career Cluster(s)	Teacher Certification or Testing Site
CompTIA A+	Information Technology Foundations (6905)	All Information Technology POS	Information Technology	Testing Site
CompTIA Network+	Networking (6097)	Networking Systems	Information Technology	Testing Site
CompTIA IT Fundamentals	Information Technology Foundations (6905)	All Information Technology POS	Information Technology	Testing Site
Internet and Computing Core Certification (IC3)	Web Site Development (6101)	Web Design	Information Technology	Teacher Certification with appropriate endorsements and Testing Site