

This curriculum guide serves to support school systems with prioritizing and investing in educational resources to ensure continuous student access to Career and Technical Education (CTE) curriculum. It provides school systems with online options such as eBooks, interactive content and labs, assessments, and study guides for Career and Technical Education content. The document includes content aligned to Industry Based Certifications (IBCs) and supplemental resources grouped by National Career Clusters as well as general Career and Technical Education content.

School systems can purchase these resources using [one of several funding sources](#), including CARES incentive funds. As referenced in [funding sources](#), eligibility for use of funds through the [Perkins basic grant](#) is determined by regional economic demand and restricted to the three regionally identified clusters (and locally identified 4th cluster). Re-allocated Perkins funds can be spent on materials and supplies related to any cluster. Eligibility for use of funds through CDF is determined by alignment to high-value CTE courses and the [Guidelines for Use of CDF Allocation](#). CARES incentive funds can be spent as described in the [Start Strong 2020 Planning Guide](#).

This is a dynamic document and will be updated as needed. Please direct any questions to jumpstart@la.gov.

Specific Technology Requirements for Software and IBC Testing has been added to the document.

Table of Contents:

- [Agriculture, Food and Natural Resources](#)
- [Architecture and Construction](#)
- [Arts, A/V Technology and Communication](#)
- [Business Management and Administration](#)
- [Health Sciences](#)
- [Hospitality and Tourism](#)
- [Information Technology](#)
- [Manufacturing](#)
- [Transportation, Distribution, and Logistics](#)
- [General Career and Technical Education](#)

Agriculture, Food and Natural Resources

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Louisiana Agritechnology | AgEdNet.com | Online lessons and materials including classroom ready assignments, including, assessments, teacher guides, internet resources, PowerPoints, and current events. | System Requirements to test Louisiana Agritechnology certification using in-person proctoring |
| Supplemental | iCEV | Learning platform with lessons, activities, projects, and assessments | System Requirements run iCEV |
| Supplemental | Agricultural Experience Tracker | Digital system to track student’s Supervised Agricultural Experiences | Students should have access to an internet-capable device and internet connectivity. |
| Louisiana FFA has a variety of e-learning resources available for Agricultural education | | | |

Architecture and Construction

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Autodesk AutoCAD | Autodesk Design Academy | Autodesk Design Academy provides students and educators with educational resources including self-paced online courses, guided webinars, tutorials, class projects, and curriculum for all levels. | System Requirements to install and run AutoDesk AutoCAD |
| | CADLearning | Customizable learning systems identify and address knowledge gaps and provide in-application support. Activity Reports allow instructors to track student progress. | System Requirements to test AutoDesk AutoCAD certification using in-person proctoring Certiport 'Exams from Home' is currently available through December. |
| electrical training ALLIANCE (etA) Interim Credential | electrical training ALLIANCE (etA) | The interim credentials includes 5 courses that utilize interactive content activities, assessments, gaming, and other motivational aspects to support self-paced learning. | Students should have access to an internet-capable device and internet connectivity. |
| Multi-Craft Curriculum (MC3) | North America's Building Trades Union (NABTU) | NABTU's MC3 program introduces students to the building trades. Information about the online course . If interested, please contact Tom Kriger or Nicole Schwartz | Students should have access to an internet-capable device and internet connectivity. |
| NCCER (Carpentry, Core Curriculum, Electrical, HVAC, Plumbing, Welding) | NCCERConnect | NCCERConnect is an online course management solution that contains a rich media eText, gradebook and multimedia library for a wide variety of NCCER content complement hands on training. | System Requirements to install and run NCCERConnect |
| | VitalSource | Provides online/offline access to eTextbooks and a full suite of study tools including bookmarking, highlighting text, taking notes, and text-to-speech complement hands-on training. | System Requirements for NCCER Online Testing System NCCER remote proctoring is currently available through July. |
| Supplemental | American Welding Society (AWS) | AWS has a variety of supplemental learning options available to complement existing real-time or virtual training programs. The courses include multimedia content that stimulates learning and long-term retention. Brief modules, learner-centered navigation, audio narration, animated graphics, and video footage make even the most complex topics engaging and easy-to-understand. | Students should have access to an internet-capable device and internet connectivity. |

Arts, Audio Visual and Technology

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|----------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adobe Certified Associate (ACA) | Adobe Education Exchange | Adobe Education Exchange has assembled Adobe Certified Associate resources and learning opportunities to help educators engage students through online learning. | System Requirements to install and run Adobe <ul style="list-style-type: none"> • Creative Cloud • Photoshop • Illustrator • Premiere Pro • InDesign System Requirements to test Adobe Certified Associate (ACA) certifications using in-person proctoring Certiport 'Exams from Home' is currently available through December. |
| | Brain Buffet | Brain Buffet is self-paced, project based learning with tutorials on a range of Adobe software applications. | |
| | GMetrix | Certification prep platform that includes timed and untimed testing options and online administration and tracking tools for Adobe Certified Associate instructors. | |
| | LearnKey | Adobe Certified Associate Bundle prepares students for leading industry certifications using on-demand education project-based learning and hand-on activities | |
| Avid Media Composer Avid ProTools | Avid Learning Partners | The Avid Learning Partner (ALP) program has a variety of options to purchase online training through vetted training partners. | System Requirements to install and run Avid <ul style="list-style-type: none"> • Media Composer • ProTools Requirements to test Avid certifications using in-person proctoring. |

Business Administration and Management

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|-------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Customer Service and Sales | National Retail Foundation (NRF) | Online and self-paced course that teaches customer service skills and math skills to conduct sales transactions in the retail industry. | Students should have access to an internet-capable device and internet connectivity. |
| Statewide MicroEnterprise Credential (BRAC) | Baton Rouge Area Chamber (BRAC) | Online teacher guides can be imported into any LMS. | System Requirements to test Entrepreneurship and Small Business Exam Details using in-person proctoring. |
| | GMetrix | Practice tests map to the Entrepreneurship & Small Business (ESB) exam objectives. This exam is a component of the Statewide Micro-Enterprise Credential (BRAC) not the full Statewide MicroEnterprise Credential. | System Requirements to test Regional MicroEnterprise certification using in-person proctoring. |
| | LearnKey | Online, self-paced course provides scenarios and pre/post assessments to prepare students for Entrepreneurship & Small Business (ESB) exam objectives. This exam is a component of the Statewide Micro-Enterprise Credential not the full Statewide MicroEnterprise Credential. | |
| Microsoft Office Specialist (MOS) | GMetrix | Includes timed and untimed practice tests for the Microsoft Office Suite and tracking tool for instructors. | System Requirements to install and run Microsoft Office . |
| | Jasperactive | Online courses focus on the critical thinking and applications of MOS, rather than just learning how to perform functions and accessing features. | System Requirements to test Microsoft Office Specialist (MOS) certifications using in-person proctoring. |
| | LearnKey | Online, self-paced course provides project-based learning, instructive video, interactive labs, pre/post assessment, workbooks, interactive test prep. | |

Health Sciences

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|-------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Certified Clinical Medical Assistant (CCMA) | National HealthCareer Association (NHA) | Online resources for distance learning include online study guides, practice tests, interactive games, quizzes, flashcards and professionalism tips from medical experts to complement hands on training. | System Requirements to test NHA exams using in-person proctoring. |
| Certified Patient Care Technician (CPCT/A) | National HealthCareer Association (NHA) | Online resources for distance learning include online study guides, practice tests, interactive games, quizzes, flashcards and professionalism tips from medical experts to complement hands on training. | |
| Pharmacy Technician Certification (ExCPT) | National HealthCareer Association (NHA) | Online resources for distance learning include online study guide, practice test, didactic training, Includes interactive games, quizzes, flashcards and professionalism tips from medical experts to complement hands on training. | |
| Pharmacy Technician Certification (PTCE®) | PassAssured | Online, self-paced multimedia training to support students with preparing for the Pharmacy Technician Certification Exam® (PTCE®) | System Requirements to test PTCE exams using in-person proctoring. |
| Supplemental Material | National HealthCareer Association - PersonAbility | PersonAbility is an interactive tool designed to build customer service and resiliency skills for future healthcare professionals. | Students should have access to an internet-capable device and internet connectivity. |

Hospitality and Tourism

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|--------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Certified Guest Service Professional (CGSP) | American Hotel and Lodging Educational Institution | The Guest Service Gold: Golden Opportunities Online Program features seven modules of online learning and prepares the student to take the CGSP exam. The program contains true story simulations and connects students with qualities that make a guest's stay unique along with procedures, discussions and exercises in interactive activities. | System Requirements for AHLEI Online Learning. |
| ServeSafe Food Handler | ServSafe | Online program covering five areas of food protection in interactive activities as well as audio, videos and full text articles. | System Requirements for ServSafe and ManageFirst Professional certifications with in-person proctoring. |
| ServSafe Manager Food Safety Certification | ServSafe National Restaurant Association | Online interactive course including practice exams. | |
| ManageFirst Professional | ManageFirst National Restaurant Association | Online resources include instructor resources, assessment generators, and case studies. . Program components include ten ebooks containing case studies, research topics, and field projects. | |
| National Prostart Certificate of Achievement | National Restaurant Association Educational Foundation | Interactive eBooks are available for students and instructors that include activities and tasks. | Students should have access to an internet-capable device and internet connectivity. |

Information Technology

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| App Development with Swift | Apple Education | The interactive eBook follows a step-by-step approach to learning iOS development tools and basic programming concepts using Swift as the language. The eBook includes guided projects and review questions. | System Requirements to test App Development with Swift Certification using in-person proctoring Certiport 'Exams from Home' is currently available through December. |
| CompTIA Network+ CompTIA Security+ CompTIA A+ CompTIA IT Fundamentals | CompTIA | Various options are available for remote learning that fit various learning styles and timelines. The options include: self-paced eLearning through CertMaster Learn , interactive labs through CertMaster Labs , certification practice through CertMaster Practice , and eBooks/Study Guides | System Requirements to test CompTIA certifications using in-person proctoring |
| | GMetrix | Includes practice tests for the CompTIA suite. | |
| | LearnKey | Prepares Students for leading industry certifications using on-demand education project-based learning and hand-on activities | |
| CIW Foundations Associate CIW Web Design Professional CIW Web Development Professional CIW Web Security Professional | Certified Internet Web (CIW) | CIW is a vendor-neutral web technology education and certification program. Online Self-Study Kits for each certification may be purchased with or without Exam eCredits. The eCredits for PSI allows CIW exams to be taken from home and requires an active webcam and high speed internet connection. A live proctor will visually monitor the test taker during the entire testing session. Exam vouchers may also be purchased directly from www.pearsonvue.com/ciw | System Requirements to install and run CIW programs PSI System Requirements to test CIW certifications using in-person proctoring Pearson VUE System Requirements to test CIW certifications using in-person proctoring |

| | | | |
|----------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESRI User Industry Based Certification | Global Geospatial Institute (GGI) | Online course project-based learning teaches students to capture, store, manipulate, analyze, manage and display all kinds of spatial or geographical data. Successfully builds critical thinking skills. | System Requirements to install and run CGI Programs System Requirements to test ESRI User Industry Based Certification using in-person proctoring. |
| Fundamentals of JavaScript, Functional Programming and Web Development | Operation Spark | Students will learn how to build websites, video games, mobile apps and explore high-wage career paths in software development. | Students should have access to an internet-capable device and internet connectivity. |
| Oracle Database PL/SQL Developer Certified Associate | Oracle | In this online class, students will learn to build database-centric internet applications and create PL/SQL blocks of application code. Scheduling Request for Online Training Class | System Requirements to test Oracle Database PL/SQL Developer Certified Associate Certification using in-person proctoring |
| Supplemental | Code Avengers | Self-paced K-14 curriculum that covers topics such as computational thinking and a variety of languages including Javascript, HTML, CSS, and Python. | Students should have access to an internet-capable device and internet connectivity. |

Manufacturing

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|-------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Autodesk Inventor AutoDesk Revit | Autodesk Design Academy | Autodesk Design Academy provides students and educators with educational resources including self-paced online courses, guided webinars, tutorials, class projects, and curriculum for all levels. | System Requirements to install and run AutoDesk Inventor System Requirements to test AutoDesk Inventor certification using in-person proctoring Certiport 'Exams from Home' is currently available through December. |
| | CADLearning | Customizable learning systems identify and address knowledge gaps and provide in-application support | |
| | TeachMe3D | Training courses available for middle and high schools. Includes video instruction, demonstration, and activities/skill reinforcement. | |
| Certification for Manufacturing (C4M) | Louisiana Economic Development (LED) Fast Start | Online units and assessments are available to complement instructor facilitated instructions. Hands on activities and labs must be complete in a face to face format. | Students should have access to an internet-capable device and internet connectivity. |

Transportation, Distribution, and Logistics

| Aligned IBC and Factsheet | Vendor | Overview of Content Delivery | Technology Requirements for Software and IBC Testing |
|--------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Automobile Student Excellence (ASE) Certifications | Melior Inc./Today's Class | Online resources that provide a comprehensive automotive curriculum which aligns to the core areas of the ASE Education Foundation to complement hands-on training . | System Requirements to test Entry-Level ASE Certifications using in-person proctoring |
| I-CAR Collision Repair and Refinish Pro Platinum Level 1 | I-CAR Education | PDP-EE Base Curriculum access provides instructors with student assessments, presentations, self-paced learning activities intended to complement hands-on training | Students should have access to an internet-capable device and internet connectivity. |
| FourStroke Engine Technician | Equipment & Engine Training Council (EETC) | Practice assessments, study guides, videos, interactive content are available to complement hands-on training for outdoor power equipment. | System Requirements to test Four Stroke Engine |

General Career and Technical Education

| Vendor | Overview of Content | Technology Requirements for Software and IBC Testing |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Career Safe | OSHA 10 self paced courses that include videos, real life scenarios and interactive elements for a variety of OSHA workplace safety training certifications. | Career Safe recommends a Windows PC or Mac. |
| | Interview Skills courses include media-rich, interactive activities to prepare students for various aspects of the job application process. | Career Safe recommends a Windows PC or Mac. |
| Occupational Safety and Health Administration (OSHA) | Self-paced online training for certification in a variety of OSHA courses | Students should have access to an internet-capable device and internet connectivity. |
| Nepris | Engaging library of online industry chats from a variety of experts, industry leaders, professionals and community members. | Students should have access to an internet-capable device and internet connectivity. |