

## **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/23, Revised 2/1/24

**Career Readiness Indicators (CRI)** are credentials/certifications made available to all students enrolled in a program where career and technical skill proficiencies are aligned with industry recognized standards. CRIs may not be available for all programs. Credentials provide proof that the student possesses the minimum skills required for entry-level employment. CRIs should be included in the student information file. Testing can occur at the discretion of the LEA Career and Technical Director depending on student readiness. Pre-assessments should be required. It is the responsibility of the Career and Technical Director to ensure each program has a well-planned method for determining the readiness of students to attempt certification exams to maintain a high rate of student success. It is strongly recommended that the method for determining the readiness of students to attempt certification exams be driven by program data, classroom performance, and skill acquisition within the student's pathway.

Career Readiness Indicators are listed in the grid in association with the Cluster and Program through which they are aligned. College and Career Readiness status will be granted for CRIs listed for that program. Programs must be declared by the LEA and school, as well as by the student.

Career Readiness Indicators are made available and offered to any career and technical education student who is enrolled and declared in a career and technical education program with sequenced courses that is aligned with a local, state, or national third-party credentialing agency to earn a program credential, certification, or license.

### **The Program Teacher, Career and Technical Director, and local program Advisory Committee should:**

- review the Alabama State Department of Education (ALSDE) Career Readiness Indicators list to determine if there is an appropriate third-party credential or license available for the respective career and technical education program.
- select the CRI credential(s) that is best suited for the program, the students, and local industry needs.  
or
- recommend an alternative third-party Career Readiness Indicator for approval if it is determined, based on local labor market demands, that the students and local industry will benefit from the alternate credential.

Recommendations for new CRIs must be submitted by December 31 each year by the local Career and Technical Director utilizing the CRI Submission Process through the Alabama State Department of Education. CRIs will be reviewed through the CRI Committee Procedure. The CRI list is updated each academic year. Always check the revision date of this document to be sure it is the most current list. **Highlighted credentials are new this year.**

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### CLUSTER: AGRICULTURE, FOOD, AND NATURAL RESOURCES

Program	Career Readiness Indicators
Animal Science	<ul style="list-style-type: none"> <li>➤ Adult Beef Quality Assurance (The following three components are required to complete the CRI)               <ul style="list-style-type: none"> <li>• Cow/Calf</li> <li>• Stocker/Backgrounder</li> <li>• Feedyard</li> </ul> </li> <li>➤ Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics</li> <li>➤ Elanco Veterinary Medical Applications Certification</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ <b>Skid Steer – Skills for Success</b></li> </ul>
Environmental and Natural Resources	<ul style="list-style-type: none"> <li>➤ <b>Bulldozer – Skills for Success</b></li> <li>➤ Ducks Unlimited Ecology Conservation and Management Certification</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ Forestry Worker Certification</li> <li>➤ Integrated Pest Management Certification</li> <li>➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ <b>Skid Steer – Skills for Success</b></li> <li>➤ Tree Surgery (TS) Permit</li> <li>➤ Urban Forestry Technician</li> </ul>
General Agriculture	<ul style="list-style-type: none"> <li>➤ Adult Beef Quality Assurance (The following three components are required to complete the CRI)               <ul style="list-style-type: none"> <li>• Cow/Calf</li> <li>• Stocker/Backgrounder</li> <li>• Feedyard</li> </ul> </li> <li>➤ Briggs and Stratton Technician (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>• Theory of operation</li> <li>• Carburetors and fuel systems</li> <li>• Governors</li> <li>• Compression</li> <li>• Ignition systems</li> </ul> </li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ Ducks Unlimited Ecology Conservation and Management Certification</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ Forestry Worker Certification</li> <li>➤ Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>➤ Integrated Pest Management Certification</li> <li>➤ Landscape Design (LD) Permit</li> <li>➤ Landscape Design and Plant Materials Certification</li> <li>➤ Landscape Management Technician</li> <li>➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ <b>Skid Steer – Skills for Success</b></li> <li>➤ Specialty Crops</li> <li>➤ Urban Forestry Technician</li> </ul>

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### CLUSTER: AGRICULTURE, FOOD, AND NATURAL RESOURCES

Program	Career Readiness Indicators
Industrial Agriculture	<ul style="list-style-type: none"> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Briggs and Stratton Technician (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>➤ Theory of operation</li> <li>➤ Carburetors and fuel systems</li> <li>➤ Governors</li> <li>➤ Compression</li> <li>➤ Ignition systems</li> </ul> </li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ FAA Part 107</li> <li>➤ Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>➤ Meat Cutter – Skills for Success</li> <li>➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.</li> <li>➤ NCCER Carpentry Level 1</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER Welding Level 1</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Plant Science	<ul style="list-style-type: none"> <li>➤ FAA Part 107</li> <li>➤ Forestry Worker Certification</li> <li>➤ Integrated Pest Management Certification</li> <li>➤ Landscape Design (LD) Permit</li> <li>➤ Landscape Design and Plant Materials Certification</li> <li>➤ Landscape Management Technician</li> <li>➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ Setting of Landscape Plants (SLP) Permit</li> <li>➤ Skid Steer – Skills for Success</li> <li>➤ Specialty Crops</li> <li>➤ Tree Surgery (TS) Permit</li> <li>➤ Turfgrass Management Certification</li> <li>➤ Urban Forestry Technician</li> </ul>

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### CLUSTER: ARCHITECTURE AND CONSTRUCTION

Program	Career Readiness Indicators
Construction Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>➤ NCCER Cabinetmaking Level 1</li> <li>➤ NCCER Carpentry Level 1</li> <li>➤ NCCER Construction Technology Level 1</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Technical Design	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Autodesk Fusion 360 Certified User</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER Electrical Level 1</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Heating, Ventilation, and Air Conditioning	<ul style="list-style-type: none"> <li>➤ Air Conditioning, Heating, and Refrigeration Institute (AHRI) ICE – Residential Core</li> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ EPA Card</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER HVAC Level 1</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>

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Program	Career Readiness Indicators
Masonry	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER Masonry Level 1</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Plumbing	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER Pipefitting Level 1</li> <li>➤ NCCER Plumbing Level 1</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Utility Line Worker	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
Welding	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ AWS Certification FCAW 3-G uphill progression D1.1</li> <li>➤ AWS Certification GMAW 3-G uphill progression D1.1</li> <li>➤ AWS Certification GTAW 3-G uphill progression (aluminum) D1.2</li> <li>➤ AWS Certification GTAW 3-G uphill progression (steel)</li> <li>➤ AWS Certification SMAW 3-G uphill progression D1.1</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ NCCER Welding Level 1</li> <li>➤ OSHA 30</li> <li>➤ Skid Steer – Skills for Success</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

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### CLUSTER: ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

Program	Career Readiness Indicators
Advertising Design	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – After Effects</li> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ Certified Internet Webmaster E-Commerce</li> <li>➤ Certified Internet Webmaster Enterprise Developer</li> <li>➤ Certified Internet Webmaster Site Designer</li> <li>➤ FAA Part 107</li> <li>➤ Microsoft Certified Professional + Internet (MCP + I)</li> <li>➤ Microsoft Certified Professional Site Building (MCP + Site Building)</li> <li>➤ PrintEd – Advertising Design</li> </ul>
Animation	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – After Effects</li> <li>➤ Adobe Certified Professional - Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Autodesk Fusion 360 Certified User</li> <li>➤ FAA Part 107</li> <li>➤ Smith Micro Software: Anime Studio Pro/Moho</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
Commercial Photography	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – After Effects</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ Certified Professional Photographer (CPP)</li> <li>➤ FAA Part 107</li> </ul>
Graphic Arts	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – After Effects</li> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ FAA Part 107</li> <li>➤ PrintEd – Digital File Preparation &amp; Digital File Output</li> <li>➤ PrintEd – Graphic Design</li> <li>➤ PrintEd – Offset Press Operations / Binding &amp; Finishing</li> <li>➤ PrintEd – Screen Printing</li> </ul>

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## **CLUSTER: ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS**

Program	Career Readiness Indicators
Television Production	<ul style="list-style-type: none"><li>➤ Adobe Certified Professional – After Effects</li><li>➤ Adobe Certified Professional – Dreamweaver</li><li>➤ Adobe Certified Professional – Illustrator</li><li>➤ Adobe Certified Professional – InDesign</li><li>➤ Adobe Certified Professional – Photoshop</li><li>➤ Adobe Certified Professional – Premier Pro</li><li>➤ Apple Aperture – Certified Pro-Level One</li><li>➤ Apple Certified Pro – Final Cut Pro, Level 1</li><li>➤ Apple Motion - Certified Pro-Level One</li><li>➤ Certified Broadcast Technologist</li><li>➤ Certified Professional Photographer (CPP)</li><li>➤ FAA Part 107</li></ul>

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### CLUSTER: BUSINESS MANAGEMENT AND ADMINISTRATION

Program	Career Readiness Indicators
Business Administrative Services	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ASK Institute – Fundamental Business Concepts</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> </ul>
Business Information Technology	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ASK Institute – Fundamental Business Concepts</li> <li>➤ Certified Internet Web (CIW) – JavaScript Specialist</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>Fiber Optics – Skills for Success</b></li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS)– Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> </ul>

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### CLUSTER: BUSINESS MANAGEMENT AND ADMINISTRATION

Program	➤ Career Readiness Indicators
Management	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ASK Institute – Fundamental Business Concepts</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ National Retail Federation - National Professional Certification in Customer Service and Sales</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> </ul>

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### CLUSTER: EDUCATION AND TRAINING

Program	Career Readiness Indicators
Administration & Professional Support Services	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)</li> <li>➤ Google Educator Certification (Levels 1 and 2 Required)</li> <li>➤ ServSafe Manager</li> </ul>
Early Childhood Education	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ Child Development Associate (CDA)</li> <li>➤ ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)</li> <li>➤ Google Educator Certification (Levels 1 and 2 Required)</li> <li>➤ Praxis II – Principles of Learning and Teaching: Early Childhood</li> <li>➤ ServSafe Manager</li> <li>➤ <b>Teaching Strategies Gold</b></li> </ul>
Teaching and Training	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)</li> <li>➤ Google Educator Certification (Levels 1 and 2 Required)</li> <li>➤ Praxis II – Principles of Learning and Teaching: Grades 5-9</li> <li>➤ Praxis II – Principles of Learning and Teaching: Grades 7-12</li> <li>➤ Praxis II – Principles of Learning and Teaching: Grades K-6</li> </ul>

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### CLUSTER: FINANCE

Program	Career Readiness Indicators
Accounting	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Finance</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Intuit Quickbooks Certified user</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> </ul>
Financial Management	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Finance</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Intuit Quickbooks Certified user</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>
National Academy of Finance (NAF)	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Finance</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Intuit Quickbooks Certified user</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> </ul>

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### CLUSTER: FINANCE

Program	Career Readiness Indicators
Insurance	<ul style="list-style-type: none"><li>➤ ASK Institute – Concepts of Finance</li><li>➤ Certified Guest Service Professional</li><li>➤ Certified Insurance Service Representative</li><li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li><li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li><li>➤ Intuit Quickbooks Certified user</li><li>➤ Microsoft Office – Access Expert 2019/O365</li><li>➤ Microsoft Office – Excel Expert 2019/O365</li><li>➤ Microsoft Office – Word Expert 2019/O365</li><li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)<ul style="list-style-type: none"><li>○ Excel Associate</li><li>○ Outlook Associate</li><li>○ PowerPoint Associate</li><li>○ Word Associate</li></ul></li><li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li></ul>

## **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/23, Revised 2/1/24

### **CLUSTER: GOVERNMENT AND PUBLIC ADMINISTRATION**

<b>Program</b>	<b>Career Readiness Indicators</b>
Air Force JROTC	<ul style="list-style-type: none"><li>➤ Air Force JROTC Certificate</li><li>➤ <b>FAA Part 107</b></li><li>➤ JROTC NOCTI – Leadership and Employability Skills</li></ul>
Army JROTC	<ul style="list-style-type: none"><li>➤ Army JROTC Certificate</li><li>➤ <b>FAA Part 107</b></li><li>➤ JROTC NOCTI – Leadership and Employability Skills</li></ul>
Marine Corps JROTC	<ul style="list-style-type: none"><li>➤ <b>FAA Part 107</b></li><li>➤ JROTC NOCTI – Leadership and Employability Skills</li><li>➤ Marine Corp JROTC Certificate</li></ul>
Navy JROTC	<ul style="list-style-type: none"><li>➤ Air Force JROTC Certificate</li><li>➤ <b>FAA Part 107</b></li><li>➤ JROTC NOCTI – Leadership and Employability Skills</li></ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: HEALTH SCIENCE

Program	Career Readiness Indicators
Health Science	<ul style="list-style-type: none"> <li>➤ <b>BACE – Biotechnician Assistant Credentialing Exam</b></li> <li>➤ BLS Instructor</li> <li>➤ Certified Billing and Coding Specialist (CBCS)</li> <li>➤ Certified Clinical Medical Assistant (CCMA)</li> <li>➤ Certified EKG Technician (CET)</li> <li>➤ Certified Electronic Health Records Specialist (CEHRS)</li> <li>➤ Certified Medical Administrative Assistant (CMAA)</li> <li>➤ Certified Nursing Assistant (CNA)</li> <li>➤ Certified Patient Care Technician (CPCT)</li> <li>➤ Certified Pharmacy Technician (CPHT)</li> <li>➤ Elanco Veterinary Medical Applications Certification</li> <li>➤ Emergency Medical Dispatcher (EMD)</li> <li>➤ Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>➤ National Emergency Medical Responder (EMR)</li> <li>➤ National Emergency Medical Technician (EMT)</li> <li>➤ Public Safety Telecommunicator</li> </ul>
Project Lead the Way (PLTW) – Biomedical Sciences	<ul style="list-style-type: none"> <li>➤ <b>BACE – Biotechnician Assistant Credentialing Exam</b></li> <li>➤ BLS Instructor</li> <li>➤ Certified Billing and Coding Specialist (CBCS)</li> <li>➤ Certified Clinical Medical Assistant (CCMA)</li> <li>➤ Certified EKG Technician (CET)</li> <li>➤ Certified Electronic Health Records Specialist (CEHRS)</li> <li>➤ Certified Medical Administrative Assistant (CMAA)</li> <li>➤ Certified Nursing Assistant (CNA)</li> <li>➤ Certified Patient Care Technician (CPCT)</li> <li>➤ Certified Pharmacy Technician (CPHT)</li> <li>➤ Emergency Medical Dispatcher (EMD)</li> <li>➤ Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>➤ National Emergency Medical Responder (EMR)</li> <li>➤ National Emergency Medical Technician (EMT)</li> <li>➤ Public Safety Telecommunicator</li> </ul>

## **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/23, Revised 2/1/24

### **CLUSTER: HOSPITALITY AND TOURISM**

<b>Program</b>	<b>Career Readiness Indicators</b>
Lodging	<ul style="list-style-type: none"><li>➤ Certified Front Desk Representative</li><li>➤ Certified Guest Service Professional</li><li>➤ Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and apply for the credential)</li><li>➤ <b>Hotel Operations – Skills for Success</b></li><li>➤ ServSafe Manager</li></ul>
Recreation, Travel and Tourism	<ul style="list-style-type: none"><li>➤ Certified Front Desk Representative</li><li>➤ Certified Guest Service Professional</li><li>➤ Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and apply for the credential)</li><li>➤ <b>Hotel Operations – Skills for Success</b></li><li>➤ ServSafe Manager</li></ul>
Restaurant and Food and Beverage Services	<ul style="list-style-type: none"><li>➤ Certified Front Desk Representative</li><li>➤ Certified Guest Service Professional</li><li>➤ <b>Food and Beverage – Skills for Success</b></li><li>➤ <b>Meat Cutter – Skills for Success</b></li><li>➤ ProStart National Certificate (must pass the final exam for Year 1 and Year 2, complete 400 hours of mentored work experience, and apply for the credential)</li><li>➤ ServSafe Manager</li></ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: HUMAN SERVICES

Program	Career Readiness Indicators
Consumer Services	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ Certified Guest Service Professional</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ ServSafe Food Handler</li> <li>➤ ServSafe Manager</li> </ul>
Early Childhood Development and Services	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ServSafe Food Handler</li> <li>➤ ServSafe Manager</li> </ul>
Family Studies and Community Services	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ Certified Guest Service Professional</li> <li>➤ ServSafe Food Handler</li> <li>➤ ServSafe Manager</li> </ul>
Fashion	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ ServSafe Manager</li> </ul>
Food, Wellness, and Dietetics	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Food and Beverage – Skills for Success</li> <li>➤ ServSafe Food Handler</li> <li>➤ ServSafe Manager</li> </ul>
Interior Design/ Real Estate	<ul style="list-style-type: none"> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ Certified Guest Service Professional</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ ServSafe Manager</li> </ul>
Cosmetology	<ul style="list-style-type: none"> <li>➤ <b>Alabama Certified Employee (ACE)</b></li> <li>➤ Barbering Licensure</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Cosmetology Licensure</li> <li>➤ Esthetics Licensure</li> <li>➤ Manicure Licensure</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ Natural Hair Styling Licensure</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: INFORMATION TECHNOLOGY

Program	Career Readiness Indicators
Computer Science	<ul style="list-style-type: none"> <li>➤ Certified Internet Web (CIW) – JavaScript Specialist</li> <li>➤ Certiport Information Technology Specialist (ITS) – Artificial Intelligence</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>CompTIA IT Fundamentals</b></li> <li>➤ <b>FAA Part 107</b></li> <li>➤ <b>Fiber Optics – Skills for Success</b></li> <li>➤ Microsoft Azure AI Fundamentals</li> <li>➤ Microsoft Azure Data Fundamentals</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Power Platform Fundamentals</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> </ul>
Cybersecurity and Infrastructure	<ul style="list-style-type: none"> <li>➤ Certiport Information Technology Specialist (ITS) – Cloud Computing</li> <li>➤ Certiport Information Technology Specialist (ITS) – Cybersecurity</li> <li>➤ Certiport Information Technology Specialist (ITS) – Networking</li> <li>➤ Cisco Certified Network Associate (CCNA) Routing &amp; Switching</li> <li>➤ CompTIA IT Fundamentals</li> <li>➤ CompTIA Linux+</li> <li>➤ CompTIA Network+</li> <li>➤ CompTIA Security+</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ <b>Fiber Optics – Skills for Success</b></li> <li>➤ Microsoft 365 Fundamentals</li> <li>➤ Microsoft Azure Data Fundamentals</li> <li>➤ Microsoft Azure Fundamentals</li> <li>➤ Microsoft Dynamics 365 Fundamentals CRM</li> <li>➤ Microsoft Dynamics 365 Fundamentals ERP</li> <li>➤ Microsoft Power Platform Fundamentals</li> <li>➤ Microsoft Security, Compliance, and Identity Fundamentals</li> <li>➤ TestOut Network Pro</li> <li>➤ TestOut Security Pro</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: INFORMATION TECHNOLOGY

Program	Career Readiness Indicators
Information Technology Support Services	<ul style="list-style-type: none"> <li>➤ Certiport Information Technology Specialist (ITS) – Device Configuration and Management</li> <li>➤ Certiport Information Technology Specialist (ITS) – Network Security</li> <li>➤ CompTIA A+</li> <li>➤ C-Tech Copper Network Cabling Specialist</li> <li>➤ C-Tech Fiber Network Cabling Specialist</li> <li>➤ Certified Electronics Technician (CETa)</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ <b>Fiber Optics – Skills for Success</b></li> <li>➤ Microsoft 365 Fundamentals</li> <li>➤ Microsoft Azure AI Fundamentals</li> <li>➤ Microsoft Azure Data Fundamentals</li> <li>➤ Microsoft Dynamics 365 Fundamentals CRM</li> <li>➤ TestOut IT Fundamentals Pro</li> <li>➤ TestOut Linux Pro</li> <li>➤ TestOut PC Pro</li> <li>➤ TestOut Routing and Switching Pro</li> </ul>
Project Lead The Way (PLTW) – Computer Science	<ul style="list-style-type: none"> <li>➤ Certified Internet Web (CIW) – JavaScript Specialist</li> <li>➤ Certiport Information Technology Specialist (ITS) – Cybersecurity</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ CompTIA Security+</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ <b>Fiber Optics – Skills for Success</b></li> <li>➤ Microsoft Security, Compliance, and Identity Fundamentals</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ TestOut Security Pro</li> </ul>
SREB AC Health Informatics	<ul style="list-style-type: none"> <li>➤ Certified Internet Web (CIW) – Database Design Specialist</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Oracle Certified Associate, Database</li> </ul>
SREB AC Informatics	<ul style="list-style-type: none"> <li>➤ Certified Internet Web (CIW) – Database Design Specialist</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ CompTIA Security+</li> <li>➤ Oracle Certified Associate, Database</li> <li>➤ TestOut Network Pro</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Program	Career Readiness Indicators
Correctional Services	<ul style="list-style-type: none"><li>➤ Alabama Emergency Medical Dispatch</li><li>➤ Emergency Medical Responder (EMR)</li><li>➤ <b>FAA Part 107</b></li><li>➤ National Emergency Medical Technician (EMT)</li><li>➤ Public Safety Telecommunicator</li></ul>
Emergency and Fire Management Services	<ul style="list-style-type: none"><li>➤ Alabama Emergency Medical Dispatch</li><li>➤ Certified EKG Technician (CET)</li><li>➤ Emergency Medical Responder (EMR)</li><li>➤ <b>FAA Part 107</b></li><li>➤ National Emergency Medical Technician (EMT)</li><li>➤ National Fire Protection Association – Standard NFPA 1001</li><li>➤ Public Safety Telecommunicator</li></ul>
Law Enforcement Services	<ul style="list-style-type: none"><li>➤ Alabama Emergency Medical Dispatch</li><li>➤ Emergency Medical Responder (EMR)</li><li>➤ <b>FAA Part 107</b></li><li>➤ National Emergency Medical Technician (EMT)</li><li>➤ Public Safety Telecommunicator</li></ul>
Legal Services	<ul style="list-style-type: none"><li>➤ Accredited Legal Professional (ALP)</li></ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: MANUFACTURING

Program	Career Readiness Indicators
Additive Manufacturing	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
Electronics	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Electronics Technicians Association – Basic AC</li> <li>➤ Electronics Technicians Association – Basic Analog</li> <li>➤ Electronics Technicians Association – Basic DC</li> <li>➤ Electronics Technicians Association – Basic Digital</li> <li>➤ Electronics Technicians Association – Comprehensive</li> <li>➤ Electronics Technicians Association – Student Electronics Technician</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> <li>➤ NCCER Electronic Systems Technician, Electronics</li> </ul>
Industrial Maintenance Electrical and Instrumentation	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> <li>➤ NCCER Industrial Maintenance E&amp;I Level 1</li> </ul>
Industrial Maintenance Mechanical	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> <li>➤ NCCER Industrial Maintenance Mechanic Level 1</li> </ul>
Modern Manufacturing	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> </ul>
SREB AC Energy and Power	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
SREB AC Automated Materials Joining Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> </ul>
SREB AC Integrated Production Technologies	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: MANUFACTURING

Program	Career Readiness Indicators
Precision Machining	<ul style="list-style-type: none"> <li>➤ <b>Alabama Certified Employee (ACE)</b></li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NIMS Level 1 CNC Milling: Programming Setup and Operations</li> <li>➤ NIMS Level 1 CNC Turning: Programming Setup and Operations</li> <li>➤ NIMS Level 1 Drill Press Skills</li> <li>➤ NIMS Level 1 Grinding Skills</li> <li>➤ NIMS Level 1 Job Planning, Benchwork and Layout</li> <li>➤ NIMS Level 1 Manual Milling Skills</li> <li>➤ NIMS Level 1 Measurement, Materials and Safety</li> <li>➤ NIMS Level 1 Milling Operations</li> <li>➤ NIMS Level 1 Turning Operations: Turning Between Centers</li> <li>➤ NIMS Level 1 Turning Operations: Turning Chucking Skills</li> <li>➤ NIMS Level 1 Turning: Operations</li> </ul>
Robotics and Automated Manufacturing	<ul style="list-style-type: none"> <li>➤ <b>Alabama Certified Employee (ACE)</b></li> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Electronics Technicians Association – Basic AC</li> <li>➤ Electronics Technicians Association – Basic Analog</li> <li>➤ Electronics Technicians Association – Basic DC</li> <li>➤ Electronics Technicians Association – Basic Digital</li> <li>➤ Electronics Technicians Association – Comprehensive</li> <li>➤ Electronics Technicians Association – Student Electronics Technician</li> <li>➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)</li> <li>➤ NCCER Core (module 6 is an elective and is not required for CRI)</li> <li>➤ NCCER Electronic Systems Technician, Electronics</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: MARKETING

Program	Career Readiness Indicators
Marketing	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ASK Institute – Fundamental Business Concepts</li> <li>➤ ASK Institute – Fundamental Marketing Concepts</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>
Professional Sales	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Dreamweaver</li> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – InDesign</li> <li>➤ Adobe Certified Professional – Photoshop</li> <li>➤ Adobe Certified Professional – Premier Pro</li> <li>➤ ASK Institute – Concepts of Business Management</li> <li>➤ ASK Institute – Concepts of Entrepreneurship</li> <li>➤ ASK Institute – Fundamental Business Concepts</li> <li>➤ ASK Institute – Fundamental Marketing Concepts</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Microsoft Office – Word Expert 2019/O365</li> <li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)               <ul style="list-style-type: none"> <li>○ Excel Associate</li> <li>○ Outlook Associate</li> <li>○ PowerPoint Associate</li> <li>○ Word Associate</li> </ul> </li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

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### CLUSTER: MARKETING

Program	Career Readiness Indicators
Real Estate Sales	<ul style="list-style-type: none"><li>➤ Adobe Certified Professional – Dreamweaver</li><li>➤ Adobe Certified Professional – Illustrator</li><li>➤ Adobe Certified Professional – InDesign</li><li>➤ Adobe Certified Professional – Photoshop</li><li>➤ Adobe Certified Professional – Premier Pro</li><li>➤ ASK Institute – Concepts of Business Management</li><li>➤ ASK Institute – Concepts of Entrepreneurship</li><li>➤ ASK Institute – Fundamental Business Concepts</li><li>➤ ASK Institute – Fundamental Marketing Concepts</li><li>➤ Certified Guest Service Professional</li><li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li><li>➤ Microsoft Office – Access Expert 2019/O365</li><li>➤ Microsoft Office – Excel Expert 2019/O365</li><li>➤ Microsoft Office – Word Expert 2019/O365</li><li>➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)<ul style="list-style-type: none"><li>○ Excel Associate</li><li>○ Outlook Associate</li><li>○ PowerPoint Associate</li><li>○ Word Associate</li></ul></li><li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li></ul>

## ALABAMA CTE CAREER READINESS INDICATORS

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### CLUSTER: STEM

Program	Career Readiness Indicators
CTE Engineering	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
Greenpower	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: STEM

Program	Career Readiness Indicators
Project Lead The Way (PLTW) Engineering	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
SREB AC Aerospace Engineering	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: STEM

Program	Career Readiness Indicators
SREB AC Clean Energy	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ NCCER Core (Module 6 is an elective and not required for CRI)</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
SREB AC Innovations in Science and Technology	<ul style="list-style-type: none"> <li>➤ Autodesk – AutoCAD Certified User</li> <li>➤ Autodesk – Fusion 360 Certified User</li> <li>➤ Autodesk – Inventor Certified User</li> <li>➤ Autodesk – Revit Certified User</li> <li>➤ Certiport Information Technology Specialist (ITS) – Databases</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML &amp; CSS</li> <li>➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development</li> <li>➤ Certiport Information Technology Specialist (ITS) – Java</li> <li>➤ Certiport Information Technology Specialist (ITS) – JavaScript</li> <li>➤ Certiport Information Technology Specialist (ITS) – Python</li> <li>➤ Certiport Information Technology Specialist (ITS) – Software Development</li> <li>➤ <b>FAA Part 107</b></li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office – Access Expert 2019/O365</li> <li>➤ Microsoft Office – Excel Expert 2019/O365</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Program	Career Readiness Indicators
Automotive Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ ASE Entry-Level – Automobile – Automotive Service Technology</li> <li>➤ ASE Entry-Level – Automobile – Brakes</li> <li>➤ ASE Entry-Level – Automobile – Electrical/Electronic Systems</li> <li>➤ ASE Entry-Level – Automobile – Engine Performance</li> <li>➤ ASE Entry-Level – Automobile – Engine Repair</li> <li>➤ ASE Entry-Level – Automobile – Heating and Air Conditioning</li> <li>➤ ASE Entry-Level – Automobile – Maintenance and Light Repair</li> <li>➤ ASE Entry-Level – Automobile – Manual Drive Train and Axles</li> <li>➤ ASE Entry-Level – Automobile – Suspension and Steering</li> <li>➤ ASE Entry-Level – Automobile – Automatic Transmission and Transaxle</li> </ul>
Aviation Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FAA Part 107</li> </ul>
Collision Repair	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ ASE Entry-Level – Collision – Mechanical and Electrical Components</li> <li>➤ ASE Entry-Level – Collision – Non-structural Analysis and Damage Repair</li> <li>➤ ASE Entry-Level – Collision – Painting and Refinishing</li> <li>➤ ASE Entry-Level – Collision – Structural Analysis and Damage Repair</li> <li>➤ ICAR Auto Refinish Platinum</li> <li>➤ ICAR Intro to Collision Repair</li> <li>➤ ICAR Non-Structural Platinum</li> </ul>
Diesel Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ ASE Entry-Level – Medium/Heavy Truck – Brakes</li> <li>➤ ASE Entry-Level – Medium/Heavy Truck – Diesel Engines</li> <li>➤ ASE Entry-Level – Medium/Heavy Truck – Electrical/Electronic Systems</li> <li>➤ ASE Entry-Level – Medium/Heavy Truck – Inspection Maintenance and Minor Repair</li> <li>➤ ASE Entry-Level – Medium/Heavy Truck – Suspension and Steering</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ CDL A – Skills for Success</li> <li>➤ CDL B – Skills for Success</li> <li>➤ CDL HazMat Endorsement – Skills for Success</li> <li>➤ CDL Passenger Endorsement – Skills for Success</li> <li>➤ School Bus Endorsement – Skills for Success</li> </ul>
Flight Technology	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ FAA Part 107</li> </ul>
Logistics	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Asphalt Roller – Skills for Success</li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ CDL A – Skills for Success</li> <li>➤ CDL B – Skills for Success</li> <li>➤ CDL HazMat Endorsement – Skills for Success</li> <li>➤ CDL Passenger Endorsement – Skills for Success</li> <li>➤ FAA Part 107</li> <li>➤ MSSC Certified Logistics Associate</li> <li>➤ MSSC Certified Logistics Technician</li> <li>➤ School Bus Endorsement – Skills for Success</li> <li>➤ Skid Steer – Skills for Success</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/23, Revised 2/1/24

### CLUSTER: TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Program	Career Readiness Indicators
SREB AC Global Logistics and Supply Chain Management	<ul style="list-style-type: none"> <li>➤ MSSC Certified Logistics Associate</li> <li>➤ MSSC Certified Logistics Technician</li> </ul>

### LOCALLY DEVELOPED CAREER READINESS INDICATORS (ONLY AVAILABLE TO THE CERTIFIED LEA)

Program	Career Readiness Indicators
12 For Life – Florence City	Satisfactory completion of 12 For Life program as laid out in application by Florence City Schools.
ADEM Water Operator – Anniston City	Satisfactory completion of the Water Operator Certification exam as laid out in application by Anniston City Schools.
Apprenticeship CRI – Tuscaloosa County	Satisfactory completion of the Mercedes Program.
Apprenticeship CRI – Chickasaw City	Satisfactory completion of the Information Technology Apprenticeship Program requirements.
Apprenticeship CRI – Dallas County	Satisfactory completion of the Collision Repair Apprenticeship Program.
Aerospace Electrical IPC 620 – Huntsville City	Satisfactory completion of the IPC 620 credential offered through Calhoun Community College.