

# **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/24, Revised 7/18/24

## **Career Readiness Indicators (CRI) Overview**

Career Readiness Indicators (CRIs) are credentials or certifications available to students enrolled in programs where technical skills align with industry standards. While CRIs may not be available for all programs, they serve as proof that a student possesses the necessary skills for entry-level employment. It is essential to include CRIs in each student's information file.

## **Testing and Assessments**

Testing for CRIs is at the discretion of the LEA Career and Technical Director, based on student readiness. Pre-assessments are required to ensure that students are adequately prepared for certification exams. The Career and Technical Director must ensure each program has a structured method to determine student readiness, which should be driven by program data, classroom performance, and skill acquisition within the student's pathway.

## **Alignment and Attainment**

CRIs are listed in the grid by Cluster and Program alignment. College and Career Readiness status is granted for the CRIs listed for each program. Programs must be declared by the LEA, the school, and the student. CRIs may be offered to any career and technical education student enrolled and declared in a program with sequenced courses that align with a local, state, or national third-party credentialing agency. Only the credentials on this list can be used to meet the College and Career Readiness requirements of the Alabama High School Diploma regarding post-secondary credentials.

## **Roles and Responsibilities**

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 identify appropriate third-party credentials or licenses for their program.
- Select CRI credentials best suited for the program, students, and local industry needs.
- Recommend alternative third-party CRIs for approval if local labor market demands justify the need for an alternative credential.

## **New CRI Procedure**

Recommendations for new CRIs must be submitted by the due date 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, Stocker/Backgrounder, Feedyard</li> </ul> </li> <li>➤ Aquaculture Training and Online Learning (ATOLL) Aquaculture or Aquaponics</li> <li>➤ <b>Elanco Fundamentals of Animal Science Certification</b></li> <li>➤ Elanco Veterinary Medical Applications Certification</li> <li>➤ FAA Part 107</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>➤ Skid Steer – Skills for Success</li> </ul>
Environmental and Natural Resources	<ul style="list-style-type: none"> <li>➤ Bulldozer – Skills for Success</li> <li>➤ Ducks Unlimited Ecology Conservation and Management Certification</li> <li>➤ <b>Excavator Operator – Skills for Success</b></li> <li>➤ FAA Part 107</li> <li>➤ Forestry Worker Certification</li> <li>➤ Integrated Pest Management Certification</li> <li>➤ <b>Land Survey Helper – Skills for Success</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>➤ Skid Steer – Skills for Success</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, Stocker/Backgrounder, 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, Carburetors and fuel systems, Governors, Compression, Ignition systems</li> </ul> </li> <li>➤ <b>Carpentry Helper – Skills for Success</b></li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ Ducks Unlimited Ecology Conservation and Management Certification</li> <li>➤ <b>Excavator Operator – Skills for Success</b></li> <li>➤ FAA Part 107</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>➤ <b>Land Survey Helper – Skills for Success</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>➤ Skid Steer – Skills for Success</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, Carburetors and fuel systems, Governors, Compression, Ignition systems</li> </ul> </li> <li>➤ Bulldozer – Skills for Success</li> <li>➤ <b>Carpentry Helper – Skills for Success</b></li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ <b>Electrical Helper – Skills for Success</b></li> <li>➤ <b>Excavator Operator – Skills for Success</b></li> <li>➤ FAA Part 107</li> <li>➤ Forestry Worker Certification</li> <li>➤ Home Builders Association of Alabama Residential Construction Skills Certification</li> <li>➤ <b>Land Survey Helper – Skills for Success</b></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>➤ <b>Excavator Operator – Skills for Success</b></li> <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>➤ <b>Land Survey Helper – Skills for Success</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>➤ 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>➤ <b>Carpentry Helper – Skills for Success</b></li> <li>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ <b>Electrical Helper – Skills for Success</b></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>➤ 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>➤ Construction and Skilled Trade Assessment (CAST)</li> <li>➤ OSHA 30</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>➤ <b>Electrical Helper – Skills for Success</b></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>➤ <b>Electrical Helper – Skills for Success</b></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>➤ Land Survey Helper – Skills for Success</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>

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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> </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 Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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>
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>➤ <b>Certified Guest Service Professional</b></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 Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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>



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Program	Career Readiness Indicators
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>➤ Fiber Optics – Skills for Success</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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: EDUCATION AND TRAINING

Program	Career Readiness Indicators
Early Childhood Education	<ul style="list-style-type: none"><li>➤ Alabama Certified Employee (ACE)</li><li>➤ ASK Institute – Concepts of Business Management</li><li>➤ ASK Institute – Concepts of Entrepreneurship</li><li>➤ Child Development Associate (CDA)</li><li>➤ ETS Parapro Assessment (must meet or exceed established cut score)</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>➤ Teaching Strategies Gold</li></ul>
Educators in Training	<ul style="list-style-type: none"><li>➤ ASK Institute – Concepts of Business Management</li><li>➤ ASK Institute – Concepts of Entrepreneurship</li><li>➤ ETS Parapro Assessment (must meet or exceed established cut score)</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 Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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 Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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>
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 Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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 Specialist – Access Expert 2019/O365</li><li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li><li>➤ Microsoft Office Specialist – 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>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/24, Revised 7/18/24

### CLUSTER: GOVERNMENT AND PUBLIC ADMINISTRATION

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

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/24, Revised 7/18/24

### CLUSTER: HEALTH SCIENCE

Program	Career Readiness Indicators
Health Science	<ul style="list-style-type: none"> <li>➤ <b>Alabama Certified Employee (ACE)</b></li> <li>➤ BACE – Biotechnician Assistant Credentialing Exam</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>➤ <b>Community Health Worker – Skills for Success</b></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>➤ <b>Mental Health Worker – Skills for Success</b></li> <li>➤ <b>National Academy of Sports Medicine Certified Personal Trainer (NASM-CPT)</b></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>Alabama Certified Employee (ACE)</b></li> <li>➤ BACE – Biotechnician Assistant Credentialing Exam</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>➤ <b>Community Health Worker – Skills for Success</b></li> <li>➤ <b>Elanco Veterinary Medical Applications Certification</b></li> <li>➤ Emergency Medical Dispatcher (EMD)</li> <li>➤ Lifeguard Certification (American Lifeguard Association or American Red Cross)</li> <li>➤ <b>Mental Health Worker – Skills for Success</b></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 8/1/24, Revised 7/18/24

### CLUSTER: HOSPITALITY AND TOURISM

Program	Career Readiness Indicators
Food and Beverage Services	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Barista – Skills for Success</li> <li>➤ Certified Front Desk Representative</li> <li>➤ Certified Guest Service Professional</li> <li>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</li> <li>➤ Meat Cutter – Skills for Success</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>
Lodging	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <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>➤ Customer Service – Skills for Success</li> <li>➤ Hotel Operations – Skills for Success</li> <li>➤ ServSafe Manager</li> </ul>
Sports, Recreation and Attractions	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <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>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</li> <li>➤ Hotel Operations – Skills for Success</li> <li>➤ ServSafe Manager</li> </ul>
Travel and Tourism	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <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>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</li> <li>➤ Hotel Operations – Skills for Success</li> <li>➤ ServSafe Manager</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/24, Revised 7/18/24

### 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>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</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>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</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>➤ Customer Service – Skills for Success</li> <li>➤ Food and Beverage – Skills for Success</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>➤ Customer Service – Skills for Success</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>➤ Customer Service – 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>➤ Customer Service – Skills for Success</li> <li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li> <li>➤ ServSafe Manager</li> </ul>



# **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/24, Revised 7/18/24

## **CLUSTER: HUMAN SERVICES**

<b>Program</b>	<b>Career Readiness Indicators</b>
Cosmetology	<ul style="list-style-type: none"><li>➤ Alabama Certified Employee (ACE)</li><li>➤ Barber Licensure</li><li>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li><li>➤ Cosmetologist Licensure</li><li>➤ Esthetician Licensure</li><li>➤ Manicurist Licensure</li><li>➤ National Retail Federation – National Professional Certification in Customer Service and Sales</li><li>➤ Natural Hairstylist Licensure</li></ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/24, Revised 7/18/24

### 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>➤ CompTIA IT Fundamentals</li> <li>➤ FAA Part 107</li> <li>➤ Fiber Optics – Skills for Success</li> <li>➤ Microsoft Azure AI Fundamentals</li> <li>➤ <b>Microsoft Azure Fundamentals</b></li> <li>➤ Microsoft Azure Data Fundamentals</li> <li>➤ Microsoft Office Specialist– Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Power Platform Fundamentals</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> </ul>
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>➤ FAA Part 107</li> <li>➤ Fiber Optics – Skills for Success</li> <li>➤ Microsoft 365 Fundamentals</li> <li>➤ Microsoft Azure AI Fundamentals</li> <li>➤ <b>Microsoft Azure Fundamentals</b></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 (5.0 or higher)</li> <li>➤ TestOut Routing</li> <li>➤ TestOut Switching Pro</li> </ul>

## ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/24, Revised 7/18/24

### CLUSTER: INFORMATION TECHNOLOGY

Program	Career Readiness Indicators
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>➤ FAA Part 107</li> <li>➤ Fiber Optics – Skills for Success</li> <li>➤ Microsoft 365 Fundamentals</li> <li>➤ Microsoft Azure Data Fundamentals</li> <li>➤ Microsoft Azure AI 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 (4.1.0 or higher)</li> <li>➤ TestOut Security Pro (5.1.0 or higher)</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 (4.1.0 or higher)</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>➤ FAA Part 107</li> <li>➤ Fiber Optics – Skills for Success</li> <li>➤ Microsoft Security, Compliance, and Identity Fundamentals</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ TestOut Security Pro (5.1.0 or higher)</li> </ul>

## **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/24, Revised 7/18/24

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

Program	Career Readiness Indicators
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>➤ FAA Part 107</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>➤ FAA Part 107</li><li>➤ National Emergency Medical Technician (EMT)</li><li>➤ Public Safety Telecommunicator</li></ul>
Correctional Services	<ul style="list-style-type: none"><li>➤ Alabama Emergency Medical Dispatch</li><li>➤ Emergency Medical Responder (EMR)</li><li>➤ FAA Part 107</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 8/1/24, Revised 7/18/24

### 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>
Modern Manufacturing – Center of Excellence	<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 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>➤ NCCER Core (module 6 is an elective and is not required for CRI)</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 8/1/24, Revised 7/18/24

### CLUSTER: MANUFACTURING

Program	Career Readiness Indicators
Precision Machining	<ul style="list-style-type: none"> <li>➤ Alabama Certified Employee (ACE)</li> <li>➤ Autodesk – Fusion 360 Certified User</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>➤ Alabama Certified Employee (ACE)</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 8/1/24, Revised 7/18/24

### CLUSTER: MARKETING

Program	Career Readiness Indicators
Marketing	<ul style="list-style-type: none"> <li>➤ Adobe Certified Professional – Illustrator</li> <li>➤ Adobe Certified Professional – Dreamweaver</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>➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)</li> <li>➤ Certified Guest Service Professional</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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>➤ Certiport Information Technology Specialist (ITS) Databases</li> <li>➤ IC<sup>3</sup> – Global Standard 6 (or higher) – Three Exams Required</li> <li>➤ Microsoft Office Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – 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 8/1/24, Revised 7/18/24

### 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 Specialist – Access Expert 2019/O365</li><li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li><li>➤ Microsoft Office Specialist – 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 8/1/24, Revised 7/18/24

### 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>➤ <b>Certified OnShape Professional</b></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>➤ FAA Part 107</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ Microsoft Office Specialist – Access Expert 2019/O365</li> <li>➤ Microsoft Office Specialist – Excel Expert 2019/O365</li> <li>➤ Oracle Certified Associate (OCA) – Java Programmer</li> <li>➤ Solid Edge Certified Associate</li> <li>➤ SolidWorks Associate</li> </ul>
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>➤ <b>Certified OnShape Professional</b></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>➤ FAA Part 107</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 8/1/24, Revised 7/18/24

### 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>➤ <b>Certified OnShape Professional</b></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>➤ FAA Part 107</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 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>➤ <b>Certified OnShape Professional</b></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>➤ FAA Part 107</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 8/1/24, Revised 7/18/24

### CLUSTER: STEM

Program	Career Readiness Indicators
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 style="background-color: yellow;">➤ Certified OnShape Professional</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>➤ FAA Part 107</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 style="background-color: yellow;">➤ Certified OnShape Professional</li> <li>➤ FANUC CERT – Handling Tool Operations and Programming</li> <li>➤ FAA Part 107</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 8/1/24, Revised 7/18/24

### 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> </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>➤ FAA Part 107</li> <li>➤ MSSC Certified Logistics Associate</li> <li>➤ MSSC Certified Logistics Technician</li> <li>➤ Skid Steer – Skills for Success</li> </ul>
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>

## **ALABAMA CTE CAREER READINESS INDICATORS**

Effective 8/1/24, Revised 7/18/24

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

<b>Program</b>	<b>Career Readiness Indicators</b>
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.