

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

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

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Program	Career Readiness Indicators
Environmental and Natural Resources	<ul style="list-style-type: none">➤ Integrated Pest Management Certification➤ Ducks Unlimited Ecology Conservation and Management Certification➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ Urban Forestry Technician➤ Tree Surgery (TS) Permit➤ Forestry Worker Certification➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.
Industrial Agriculture	<ul style="list-style-type: none">➤ MSSC – Certified Production Technician (CPT): Each module will count as a CRI.➤ Home Builders Association of Alabama Residential Construction Skills Certification➤ Construction and Skilled Trade Assessment (CAST)➤ Briggs and Stratton Technician (Two of the following areas REQUIRED)<ul style="list-style-type: none">• Theory of operation• Carburetors and fuel systems• Governors• Compression• Ignition systems➤ NCCER Carpentry Level 1➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ NCCER Welding Level 1

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CLUSTER: ARCHITECTURE AND CONSTRUCTION

Program	Career Readiness Indicators
Building Construction	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Home Builders Association of Alabama Residential Construction Skills Certification ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Carpentry Level 1 ➤ NCCER Construction Technology Level 1 ➤ Alabama Certified Worker (Ready to Work)
Cabinetmaking	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Carpentry Level 1 ➤ NCCER Cabinetmaking Level 1 ➤ Alabama Certified Worker (Ready to Work)
Carpentry	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Home Builders Association of Alabama Residential Construction Skills Certification ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Carpentry Level 1 ➤ Alabama Certified Worker (Ready to Work)
Drafting Design Technology	<ul style="list-style-type: none"> ➤ Autodesk – AutoCAD Certified User ➤ Autodesk Fusion 360 Certified User ➤ Autodesk – Inventor Certified User ➤ Autodesk – Revit Certified User ➤ Construction and Skilled Trade Assessment (CAST) ➤ Alabama Certified Worker (Ready to Work) ➤ SolidEdge Certified Associate ➤ SolidWorks Associate
Electrical	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Electrical Level 1 ➤ Alabama Certified Worker (Ready to Work)
Heating, Ventilation, Air Conditioning, and Refrigeration	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Air Conditioning, Heating, and Refrigeration Institute (AHRI) ICE – Residential Core ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER HVAC Level 1 ➤ EPA Card ➤ Alabama Certified Worker (Ready to Work)
Heavy Equipment Operation	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Heavy Equipment Operations Level 1 ➤ Alabama Certified Worker (Ready to Work)
Masonry	<ul style="list-style-type: none"> ➤ NCCER Core (Module 6 is an elective and not required for CRI) ➤ Construction and Skilled Trade Assessment (CAST) ➤ NCCER Masonry Level 1 ➤ Alabama Certified Worker (Ready to Work)

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Program	Career Readiness Indicators
Plumbing	<ul style="list-style-type: none">➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ Construction and Skilled Trade Assessment (CAST)➤ NCCER Pipefitting Level 1➤ NCCER Plumbing Level 1➤ Alabama Certified Worker (Ready to Work)
Utility Line Worker	<ul style="list-style-type: none">➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ Construction and Skilled Trade Assessment (CAST)➤ Alabama Certified Worker (Ready to Work)
Welding	<ul style="list-style-type: none">➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ AWS Certification SMAW 3-G uphill progression D1.1➤ AWS Certification GTAW 3-G uphill progression (steel)➤ AWS Certification FCAW 3-G uphill progression D1.1➤ AWS Certification GTAW 3-G uphill progression (aluminum) D1.2➤ AWS Certification GMAW 3-G uphill progression D1.1➤ Construction and Skilled Trade Assessment (CAST)➤ NCCER Welding Level 1➤ Alabama Certified Worker (Ready to Work)
SREB AC Clean Energy	<ul style="list-style-type: none">➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ Construction and Skilled Trade Assessment (CAST)
SREB AC Energy and Power	<ul style="list-style-type: none">➤ NCCER Core (Module 6 is an elective and not required for CRI)➤ Construction and Skilled Trade Assessment (CAST)

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CLUSTER: ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

Program	Career Readiness Indicators
Graphic Arts	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Illustrator➤ Adobe Certified Associate (ACA) – InDesign➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ PrintEd – Digital File Preparation & Digital File Output➤ PrintEd – Graphics Communication➤ PrintEd – Offset Press Operations / Binding Finishing➤ PrintEd – Screen Printing
Television Production	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ Apple Aperture – Certified Pro-Level One➤ Apple Final Cut - Certified Pro-Level One➤ Apple Motion - Certified Pro-Level One➤ Certified Broadcast Technologist➤ Certified Professional Photographer (CPP) – Professional Photographers of America
Advertising Design	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Illustrator➤ Adobe Certified Associate (ACA) – Dreamweaver➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ Certified Internet Webmaster E-Commerce➤ Certified Internet Webmaster Enterprise Developer➤ Certified Internet Webmaster Site Designer➤ Microsoft Certified Professional + Internet (MCP + I)➤ Microsoft Certified Professional Site Building (MCP + Site Building)➤ PrintEd – Advertising Design
Animation	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Illustrator➤ Adobe Certified Associate (ACA) – InDesign➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ Autodesk – AutoCAD Certified User➤ Autodesk Fusion 360 Certified User➤ Autodesk – Inventor Certified User➤ Autodesk – Revit Certified User➤ Smith Micro Software: Anime Studio Pro/Moho➤ SolidEdge Certified Associate➤ SolidWorks Associate
Commercial Photography	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Illustrator➤ Adobe Certified Associate (ACA) – InDesign➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ Certified Professional Photographer (CPP) – Professional Photographers of America

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CLUSTER: BUSINESS MANAGEMENT AND ADMINISTRATION

Program	Career Readiness Indicators
Business Administrative Services	<ul style="list-style-type: none"> ➤ Adobe Certified Associate (ACA) – Illustrator ➤ Adobe Certified Associate (ACA) – Dreamweaver ➤ Adobe Certified Associate (ACA) – Flash ➤ Adobe Certified Associate (ACA) – InDesign ➤ Adobe Certified Associate (ACA) – Photoshop ➤ Adobe Certified Associate (ACA) – Premier Pro ➤ ASK Institute – Concepts of Entrepreneurship and Management ➤ ASK Institute – Fundamental Business Concepts ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate
Business Information Technology	<ul style="list-style-type: none"> ➤ Adobe Certified Associate (ACA) – Illustrator ➤ Adobe Certified Associate (ACA) – Dreamweaver ➤ Adobe Certified Associate (ACA) – Flash ➤ Adobe Certified Associate (ACA) – InDesign ➤ Adobe Certified Associate (ACA) – Photoshop ➤ Adobe Certified Associate (ACA) – Premier Pro ➤ ASK Institute – Concepts of Entrepreneurship and Management ➤ ASK Institute – Fundamental Business Concepts ➤ Certified Internet Web (CIW) – JavaScript Specialist ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Certiport Information Technology Specialist (ITS) – Software Development ➤ Certiport Information Technology Specialist (ITS) – HTML & CSS ➤ Certiport Information Technology Specialist (ITS) – JavaScript ➤ Certiport Information Technology Specialist (ITS) – Java ➤ Certiport Information Technology Specialist (ITS) – Python ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS)– Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate ➤ Oracle Certified Associate (OCA) – Java Programmer

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Program	Career Readiness Indicators
Management	<ul style="list-style-type: none">➤ Adobe Certified Associate (ACA) – Illustrator➤ Adobe Certified Associate (ACA) – Dreamweaver➤ Adobe Certified Associate (ACA) – Flash➤ Adobe Certified Associate (ACA) – InDesign➤ Adobe Certified Associate (ACA) – Photoshop➤ Adobe Certified Associate (ACA) – Premier Pro➤ ASK Institute – Concepts of Entrepreneurship and Management➤ ASK Institute – Fundamental Business Concepts➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status)➤ Certiport Information Technology Specialist (ITS) – Databases➤ IC³ – Global Standard 6 (or higher) – Three Exams Required➤ Microsoft Office – Access Expert 2019/O365➤ Microsoft Office – Excel Expert 2019/O365➤ Microsoft Office – Word Expert 2019/O365➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED)<ul style="list-style-type: none">○ Excel Associate○ Outlook Associate○ PowerPoint Associate○ Word Associate

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CLUSTER: EDUCATION AND TRAINING

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

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CLUSTER: FINANCE

Program	Career Readiness Indicators
Accounting	<ul style="list-style-type: none"> ➤ ASK Institute – Concepts of Finance ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Certified Guest Service Professional ➤ National Retail Federation – National Professional Certification in Customer Service and Sales ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Intuit Quickbooks Certified user ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate
Financial Management	<ul style="list-style-type: none"> ➤ ASK Institute – Concepts of Finance ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Certified Guest Service Professional ➤ National Retail Federation – National Professional Certification in Customer Service and Sales ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Intuit Quickbooks Certified user ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate

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CLUSTER: FINANCE

Program	Career Readiness Indicators
Insurance	<ul style="list-style-type: none"> ➤ Certified Insurance Service Representative ➤ ASK Institute – Concepts of Finance ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Certified Guest Service Professional ➤ National Retail Federation – National Professional Certification in Customer Service and Sales ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Intuit Quickbooks Certified user ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate
National Academy of Finance (NAF)	<ul style="list-style-type: none"> ➤ ASK Institute – Concepts of Finance ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ Intuit Quickbooks Certified user ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate

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CLUSTER: GOVERNMENT AND PUBLIC ADMINISTRATION

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

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CLUSTER: HEALTH SCIENCE

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

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CLUSTER: HOSPITALITY AND TOURISM

Program	Career Readiness Indicators
Lodging	<ul style="list-style-type: none">➤ Certified Front Desk Representative➤ Certified Guest Service Professional➤ 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)➤ ServSafe Manager
Recreation, Travel, and Tourism	<ul style="list-style-type: none">➤ Certified Front Desk Representative➤ Certified Guest Service Professional➤ 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)➤ ServSafe Manager
Restaurant and Food and Beverage Services	<ul style="list-style-type: none">➤ Certified Front Desk Representative➤ Certified Guest Service Professional➤ 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)➤ ServSafe Manager

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CLUSTER: HUMAN SERVICES

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

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CLUSTER: INFORMATION TECHNOLOGY

Program	Career Readiness Indicators
Database Design	<ul style="list-style-type: none"> ➤ Certified Internet Web (CIW) – Database Design Specialist ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Oracle Certified Associate, Database
Network Systems and Computer Services	<ul style="list-style-type: none"> ➤ C-Tech Copper Network Cabling Specialist ➤ C-Tech Fiber Network Cabling Specialist ➤ Certified Network Computer Technician ➤ Cisco Certified Network Associate (CCNA) – Routing and Switching ➤ CompTIA A+ ➤ CompTIA Network+ ➤ CompTIA Security+ ➤ CompTIA IT Fundamentals ➤ CompTIA Linux+ Powered by LPI ➤ Electronic Technicians Association – Certified Electronics Technician (CETa) ➤ Microsoft Certified Solutions Expert (MCSE) ➤ Certiport Information Technology Specialist (ITS) – Device Configuration and Management ➤ Certiport Information Technology Specialist (ITS) – Networking ➤ Certiport Information Technology Specialist (ITS) – Network Security ➤ Certiport Information Technology Specialist (ITS) – Cloud Computing ➤ TestOut IT Fundamentals Pro ➤ TestOut Network Pro (4.1 or higher) ➤ TestOut Security Pro (5.1 or higher) ➤ TestOut PC Pro (5.0 or higher) ➤ TestOut Routing Pro ➤ TestOut Switching Pro ➤ TestOut Linux Pro
Network Systems and Computer Services – Cyber Security Specialization	<ul style="list-style-type: none"> ➤ CompTIA Network+ ➤ CompTIA Security+ ➤ CompTIA IT Fundamentals
Programming and Software Development	<ul style="list-style-type: none"> ➤ Certified Internet Web (CIW) – JavaScript Specialist ➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development ➤ Certiport Information Technology Specialist (ITS) – Software Development ➤ Certiport Information Technology Specialist (ITS) – HTML & CSS ➤ Certiport Information Technology Specialist (ITS) – JavaScript ➤ Certiport Information Technology Specialist (ITS) – Java ➤ Certiport Information Technology Specialist (ITS) – Python ➤ Oracle Certified Associate (OCA) – Java Programmer
SREB AC Health Informatics	<ul style="list-style-type: none"> ➤ Certified Internet Web (CIW) – Database Design Specialist ➤ Certiport Information Technology Specialist (ITS) – Databases ➤ Oracle Certified Associate, Database

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CLUSTER: INFORMATION TECHNOLOGY

Program	Career Readiness Indicators
SREB AC Informatics	<ul style="list-style-type: none">➤ Certified Internet Web (CIW) – Database Design Specialist➤ CompTIA Security+➤ Certiport Information Technology Specialist (ITS) – Databases➤ Oracle Certified Associate, Database➤ TestOut Network Pro (4.1 or higher)
Project Lead The Way (PLTW) – Computer Sciences	<ul style="list-style-type: none">➤ Certified Internet Web (CIW) – JavaScript Specialist➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development➤ Certiport Information Technology Specialist (ITS) – Software Development➤ Certiport Information Technology Specialist (ITS) – Cybersecurity➤ Certiport Information Technology Specialist (ITS) – JavaScript➤ Certiport Information Technology Specialist (ITS) – Java➤ Certiport Information Technology Specialist (ITS) – Python➤ CompTIA Security+➤ Microsoft Security, Compliance, and Identity Fundamentals➤ TestOut Security Pro (5.1 or higher)➤ Oracle Certified Associate (OCA) – Java Programmer

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

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

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: MANUFACTURING

Program	Career Readiness Indicators
Additive Manufacturing	<ul style="list-style-type: none">➤ Autodesk – AutoCAD Certified User➤ Autodesk – Inventor Certified User➤ Autodesk – Fusion 360 Certified User➤ SolidEdge Certified Associate➤ SolidWorks Associate➤ Alabama Certified Worker (Ready to Work)
Electronics	<ul style="list-style-type: none">➤ Electronics Technicians Association – Student Electronics Technician➤ Electronics Technicians Association – Basic DC➤ Electronics Technicians Association – Basic AC➤ Electronics Technicians Association – Basic Analog➤ Electronics Technicians Association – Basic Digital➤ Electronics Technicians Association – Comprehensive➤ NCCER Electronic Systems Technician, Electronics➤ NCCER Core (module 6 is an elective and is not required for CRI)➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)➤ Alabama Certified Worker (Ready to Work)
Industrial Maintenance Electrical and Instrumentation	<ul style="list-style-type: none">➤ NCCER Industrial Maintenance E&I Level 1➤ NCCER Core (module 6 is an elective and is not required for CRI)➤ FANUC CERT – Handling Tool Operations and Programming➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)➤ Alabama Certified Worker (Ready to Work)
Industrial Maintenance Mechanical	<ul style="list-style-type: none">➤ NCCER Industrial Maintenance Mechanic Level 1➤ NCCER Core (module 6 is an elective and is not required for CRI)➤ FANUC CERT – Handling Tool Operations and Programming➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)➤ Alabama Certified Worker (Ready to Work)
Modern Manufacturing	<ul style="list-style-type: none">➤ NCCER Core (module 6 is an elective and is not required for CRI)➤ FANUC CERT – Handling Tool Operations and Programming➤ MSSC – Certified Production Technician (CPT) (Each module will count as a CRI)➤ Alabama Certified Worker (Ready to Work)

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: MANUFACTURING

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

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: MARKETING

Program	Career Readiness Indicators
Marketing	<ul style="list-style-type: none"> ➤ Adobe Certified Associate (ACA) – Illustrator ➤ Adobe Certified Associate (ACA) – Dreamweaver ➤ Adobe Certified Associate (ACA) – InDesign ➤ Adobe Certified Associate (ACA) – Photoshop ➤ Adobe Certified Associate (ACA) – Premier Pro ➤ ASK Institute – Concepts of Entrepreneurship and Management ➤ ASK Institute – Fundamental Business Concepts ➤ ASK Institute – Fundamental Marketing Concepts ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certified Guest Service Professional ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ National Retail Federation – National Professional Certification in Customer Service and Sales ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate
Professional Sales	<ul style="list-style-type: none"> ➤ Adobe Certified Associate (ACA) – Illustrator ➤ Adobe Certified Associate (ACA) – Dreamweaver ➤ Adobe Certified Associate (ACA) – InDesign ➤ Adobe Certified Associate (ACA) – Photoshop ➤ Adobe Certified Associate (ACA) – Premier Pro ➤ ASK Institute – Concepts of Entrepreneurship and Management ➤ ASK Institute – Fundamental Business Concepts ➤ ASK Institute – Fundamental Marketing Concepts ➤ Certiport – Entrepreneurship and Small Business (must hold concentrator status) ➤ Certified Guest Service Professional ➤ IC³ – Global Standard 6 (or higher) – Three Exams Required ➤ National Retail Federation – National Professional Certification in Customer Service and Sales ➤ Microsoft Office – Access Expert 2019/O365 ➤ Microsoft Office – Excel Expert 2019/O365 ➤ Microsoft Office – Word Expert 2019/O365 ➤ Microsoft Office Specialist (MOS) – Associate 2019/O365 (Two of the following areas REQUIRED) <ul style="list-style-type: none"> ○ Excel Associate ○ Outlook Associate ○ PowerPoint Associate ○ Word Associate

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: MARKETING

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

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: STEM

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

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: STEM

Program	Career Readiness Indicators
SREB AC Aerospace Engineering	<ul style="list-style-type: none">➤ Autodesk – AutoCAD Certified User➤ Autodesk – Inventor Certified User➤ Autodesk – Fusion 360 Certified User➤ Autodesk – Revit Certified User➤ FANUC CERT – Handling Tool Operations and Programming➤ Microsoft Office – Access Expert 2019/O365➤ Microsoft Office – Excel Expert 2019/O365➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development➤ Certiport Information Technology Specialist (ITS) – Software Development➤ Certiport Information Technology Specialist (ITS) – HTML & CSS➤ Certiport Information Technology Specialist (ITS) – JavaScript➤ Certiport Information Technology Specialist (ITS) – Java➤ Certiport Information Technology Specialist (ITS) – Python➤ Certiport Information Technology Specialist (ITS) – Databases➤ Oracle Certified Associate (OCA) – Java Programmer➤ SolidEdge Certified Associate➤ SolidWorks Associate
SREB AC Innovations in Science and Technology	<ul style="list-style-type: none">➤ Autodesk – AutoCAD Certified User➤ Autodesk – Inventor Certified User➤ Autodesk – Fusion 360 Certified User➤ Autodesk – Revit Certified User➤ FANUC CERT – Handling Tool Operations and Programming➤ Microsoft Office – Access Expert 2019/O365➤ Microsoft Office – Excel Expert 2019/O365➤ Certiport Information Technology Specialist (ITS) – HTML5 Application Development➤ Certiport Information Technology Specialist (ITS) – Software Development➤ Certiport Information Technology Specialist (ITS) – HTML & CSS➤ Certiport Information Technology Specialist (ITS) – JavaScript➤ Certiport Information Technology Specialist (ITS) – Java➤ Certiport Information Technology Specialist (ITS) – Python➤ Certiport Information Technology Specialist (ITS) – Databases➤ Oracle Certified Associate (OCA) – Java Programmer➤ SolidEdge Certified Associate➤ SolidWorks Associate

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: STEM

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

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

CLUSTER: TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Program	Career Readiness Indicators
Automotive Services	<ul style="list-style-type: none"> ➤ ASE Entry-Level – Automobile – Maintenance and Light Repair ➤ ASE Entry-Level – Automobile – Suspension and Steering ➤ ASE Entry-Level – Automobile – Brakes ➤ ASE Entry-Level – Automobile – Electrical/Electronic Systems ➤ ASE Entry-Level – Automobile – Engine Performance ➤ ASE Entry-Level – Automobile – Engine Repair ➤ ASE Entry-Level – Automobile – Automatic Transmission and Transaxle ➤ ASE Entry-Level – Automobile – Heating and Air Conditioning ➤ ASE Entry-Level – Automobile – Manual Drive Train and Axles ➤ ASE Entry-Level – Automobile – Automotive Service Technology ➤ Alabama Certified Worker (Ready to Work)
Aviation Technology	<ul style="list-style-type: none"> ➤ Alabama Certified Worker (Ready to Work)
Collision Repair	<ul style="list-style-type: none"> ➤ ASE Entry-Level – Collision – Painting and Refinishing ➤ ASE Entry-Level – Collision – Non-structural Analysis and Damage Repair ➤ ASE Entry-Level – Collision – Mechanical and Electrical Components ➤ ASE Entry-Level – Collision – Structural Analysis and Damage Repair ➤ ICAR Auto Refinish Platinum ➤ ICAR Intro to Collision Repair ➤ ICAR Non-Structural Platinum ➤ Alabama Certified Worker (Ready to Work)
Diesel Technology	<ul style="list-style-type: none"> ➤ ASE Entry-Level – Medium/Heavy Truck – Brakes ➤ ASE Entry-Level – Medium/Heavy Truck – Suspension and Steering ➤ ASE Entry-Level – Medium/Heavy Truck – Diesel Engines ➤ ASE Entry-Level – Medium/Heavy Truck – Electrical/Electronic Systems ➤ ASE Entry-Level – Medium/Heavy Truck – Inspection Maintenance and Minor Repair ➤ Alabama Certified Worker (Ready to Work)
Power Equipment	<ul style="list-style-type: none"> ➤ Briggs and Stratton Technician (Two of the following areas REQUIRED) <ul style="list-style-type: none"> • Theory of operation • Carburetors and fuel systems • Governors • Compression • Ignition systems ➤ Equipment Engine Training Council Two Stroke Engine ➤ Equipment Engine Training Council Four Stroke Engine ➤ Equipment Engine Training Council Driveline/Hydraulics ➤ Equipment Engine Training Council Generator ➤ Equipment Engine Training Council Compact Diesel Engine ➤ Equipment Engine Training Council OPE Electrical ➤ Alabama Certified Worker (Ready to Work)
SREB AC Global Logistics and Supply Chain Management	<ul style="list-style-type: none"> ➤ MSSC Certified Logistics Associate ➤ MSSC Certified Logistics Technician

ALABAMA CTE CAREER READINESS INDICATORS

Effective 8/1/22, Revised 6/22/22

LOCALLY DEVELOPED CAREER READINESS INDICATORS

(ONLY AVAILABLE TO THE CERTIFIED LEA)

Program	Career Readiness Indicators
12 For Life	Satisfactory completion of 12 For Life program as laid out in application by Florence City Schools.
ADEM Water Operator	Satisfactory completion of the Water Operator Certification exam as laid out in application by Anniston City Schools.