

CAREER READINESS INDICATORS (Credentials/Certifications)

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. CRI's are not available for all programs at this time. The credential provides proof that the student possesses the minimum skills required for entry-level employment. CRIs may be recorded on the student's high school transcript. Testing can occur at the discretion of the LEA Career and Technical Director depending on student readiness and pre-assessments 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 in order to maintain a high rate of student success.

Career Readiness Indicators are listed in the grid in association with the Cluster and Program through which they are most commonly earned or most logically aligned. **Students may earn any Career Readiness Indicator listed on this grid, regardless of the program under which it is listed.**

Stackable Credentials are certifications that reflect mastery of knowledge and/or skills as they relate to a specific component of a Career and Technical Education program and may lead to a Career Readiness Indicator. Stackable Credentials alone do not provide evidence that a student has obtained entry-level skills required for employment.

Career Readiness Indicators are made available and offered to any career and technical education student who:

- is enrolled 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 Administrator, 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 the local Career and Technical Director to Josh Laney, Assistant Director for Workforce Development, Alabama State Department of Education. Approved new CRIs will be added and published after committee review and approval of Dr. Cleveland. An updated list will be released in June and December of each year. Always check the revision date in the top corner of this document to be sure it is the most current list.

See *CLUSTERS* below for State-Approved Career Readiness Indicators that are currently available by program.

State-Approved Career Readiness Indicators and Stackable Credentials

CLUSTER: AGRICULTURE, FOOD AND NATURAL RESOURCES			
Program	Stackable Credentials	Career Readiness Indicators	
7 th /8 th Grade Agriscience	Alabama Junior Master Gardener Hazardous Occupations Safety Training in Agriculture Hunter Education	None Identified	
General Agriscience	Alabama Junior Master Gardener Artificial Insemination Technician Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	Landscape Management Technician	
		Forestry Worker Certification	
		Integrated Pest Management Certification	
		Briggs and Stratton Technician (Two of the following areas REQUIRED)	
		• Theory of operation	
		• Carburetors and fuel systems	
		• Governors	
		• Compression	
		• Ignition systems	
		NCCER Core (all modules)	
		Urban Forestry Technician	
		Adult Beef Quality Assurance (The following three components are required to complete the CRI)	
		• Cow/Calf	
		• Feedyard	
• Stocker			
Construction and Skilled Trade Assessment (CAST)			
Landscape Design (LD) Permit			
Specialty Crops			
AgriConstruction	Alabama Junior Master Gardener Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	NCCER Core (all modules)	
		NCCER Carpentry Level 1	
		NCCER Welding Level 1	
Power Mechanics	Alabama Junior Master Gardener Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	Briggs and Stratton Technician (Two of the following areas REQUIRED)	
		• Theory of operation	
		• Carburetors and fuel systems	
		• Governors	
		• Compression	
		• Ignition systems	
NCCER Core (all modules)			

Animal Systems	Artificial Insemination Technician Alabama Junior Master Gardener Canine Care and Training Program Hazardous Occupations Safety Training in Agriculture Hunter Education	Adult Beef Quality Assurance (The following three components are required to complete the CRI)	
		• Cow/Calf	
		• Feedyard	
		• Stocker	
		NCCER Core (all modules)	
Plant Systems	Alabama Junior Master Gardener Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	Landscape Design (LD) Permit	
		Landscape Management Technician	
		NCCER Core (all modules)	
		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	
Floral Design	NCCER (one or more modules) <u>and</u> OSHA 10 hour	NCCER Core (all modules)	
Agribusiness Systems	Alabama Junior Master Gardener Hazardous Occupations Safety Training in Agriculture Hunter Education Internet Computing Core Certification (IC ³) NCCER (one or more modules) OSHA 10 hour	NCCER Core (all modules)	
Environmental and Natural Resources Systems	Alabama Junior Master Gardener Alabama Water Watch Credential Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	NCCER Core (all modules)	
		Tree Surgery (TS) Permit	
		Forestry Worker Certification	
		Integrated Pest Management Certification	
		Urban Forestry Technician	
Aquaculture	Alabama Junior Master Gardener Alabama Water Watch Credential Hazardous Occupations Safety Training in Agriculture Hunter Education NCCER (one or more modules) OSHA 10 hour	Aquaculture Training and Online Learning (ATOLL): Aquaculture or Aquaponics	
		NCCER Core (all modules)	

CLUSTER: ARCHITECTURE AND CONSTRUCTION			
Program	Stackable Credentials	Career Readiness Indicators	
Drafting Design Technology	OSHA 10 hour Workforce Ready – Technical Drafting Workforce Ready – Architectural Drafting Snap-on Precision Measurement	SolidEdge Certified Associate	
		Autodesk-AutoCAD Certified User	
		Autodesk-Inventor Certified User	
		SolidWorks Associate	
		Autodesk-Revit Certified User	
Building Construction	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Carpentry Snap-on Precision Measurement	NCCER Construction Technology	
		NCCER Core (all modules)	
		NCCER Carpentry Level 1	
		NCCER Carpentry Level 1+	
Cabinetmaking	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Cabinetmaking Snap-on Precision Measurement	NCCER Core (all modules)	
		NCCER Cabinetmaking Level 1	
		NCCER Carpentry Level 1	
Carpentry	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Carpentry Snap-on Precision Measurement	NCCER Carpentry Level 1+	
		NCCER Core (all modules)	
		NCCER Carpentry Level 1	
Masonry	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Masonry Snap-on Precision Measurement	NCCER Masonry Level 1	
		NCCER Core (all modules)	
		NCCER Masonry Level 1+	
Electrical	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Residential Wiring Snap-on Multimeter	NCCER Electrical Level 1+	
		NCCER Core (all modules)	
		NCCER Electrical Level 1	
		Construction and Skilled Trade Assessment (CAST)	
Welding	AWS Certifications (any weld type and any position) NCCER (one or more modules) OSHA 10 hour Workforce Ready – Welding Snap-on Precision Measurement	NCCER Core (all modules)	
		NCCER Welding Level 1	
		NCCER Welding Level 1+	
		AWS Certifications (one or more areas)	
		<ul style="list-style-type: none"> • SMAW 3-G uphill progression D1.1 	
		<ul style="list-style-type: none"> • GTAW 3-G uphill progression (steel) • FCAW 3-G uphill progression D1.1 	
		<ul style="list-style-type: none"> • GTAW 3-G uphill progression (aluminum) D1.2 • GMAW 3-G uphill progression D1.1 	
Plumbing	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Plumbing Snap-on Precision Measurement	NCCER Core (all modules)	
		NCCER Plumbing Level 1 or Pipefitting Level 1	
		NCCER Plumbing Level 1+	
		NCCER Pipefitting Level 1+	
Heating, Ventilation, Air-Conditioning and Refrigeration	HVAC Excellence NCCER (one or more modules) OSHA 10 hour	NCCER Core (all modules)	
		NCCER HVAC Level 1	
		NCCER HVAC Level 1+	

	Refrigerant Handling	Air Cond, Heating and Refrigeration Institute (AHRI) ICE - Residential Core	
Utility Line Worker		EPA Card	
		NCCER Core (all modules)	
		Construction and Skilled Trade Assessment (CAST)	

CLUSTER: ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS			
Program	Stackable Credentials	Career Readiness Indicators	
Graphic Arts	None Identified	Adobe Certified Associate (ACA)- InDesign	
		Adobe Certified Associate (ACA)-Illustrator	
		Adobe Certified Associate (ACA)-Photoshop	
		Printed – Graphic Communications	
		Printed – Digital File Preparation & Digital File Output	
		Printed – Offset Press Operations/Binding and Finishing	
		Printed – Screen Print	
Television Production	Workforce Ready-Television Video Production	Adobe Certified Associate (ACA)- Photoshop	
		Adobe Certified Associate (ACA)- Premiere Pro	
		Apple Aperture-Certified Pro-Level One	
		Apple Final Cut-Certified Pro-Level One	
		Apple Motion-Certified Pro-Level One	
		Certified Broadcast Technologist	
Advertising Design	Adobe PageMaker Certification HTML 4.0	Adobe Certified Associate (ACA)- Flash	
		Adobe Certified Associate (ACA)-Illustrator	
		Adobe Certified Associate (ACA)-Photoshop	
		Adobe Certified Associate (ACA)-Premiere Pro	
		Adobe Certified Associate (ACA)- Dreamweaver	
		Certified Internet Webmaster Enterprise Developer	
		Certified Internet Webmaster Site Designer	
		Certified Internet Webmaster E-Commerce	
		Microsoft Certified Professional Site Building (MCP + Site Building)	
		Microsoft Certified Professional + Internet (MCP + I)	
Printed – Advertising Design			
Animation	Workforce Ready – 3D Visualization and Animation	Adobe Certified Associate (ACA)- InDesign	
		Adobe Certified Associate (ACA)- Illustrator	
		Adobe Certified Associate (ACA)- Photoshop	
		Adobe Certified Associate (ACA)- Premiere Pro	
		Autodesk-AutoCAD Certified User	
		Autodesk-Inventor Certified User	
		Autodesk-Revit Certified User	
		SolidWorks Associate	
		SolidEdge Certified Associate	
		Smith Micro Software: Anime Studio Pro/Moho	
Commercial Photography	Workforce Ready - Photography	Adobe Certified Associate (ACA)- InDesign Certified Associate	
		Adobe Certified Associate (ACA)- Illustrator	
		Adobe Certified Associate (ACA)- Photoshop	
		Adobe Certified Associate (ACA)- Premiere Pro	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION		
Program	Stackable Credentials	Career Readiness Indicators
Business Management & Administration	Brainbench – Computer Literacy	Adobe Certified Associate (ACA)- Photoshop
	Brainbench – MS Excel Fundamentals	Adobe Certified Associate (ACA)- Dreamweaver
	Brainbench – MS Office Fundamentals	Adobe Certified Associate (ACA)- Flash
	Brainbench – MS PowerPoint Fundamentals	Adobe Certified Associate (ACA)- Premier Pro
	Brainbench – MS Word Fundamentals	Adobe Certified Associate (ACA)- InDesgin
	CAT1	Adobe Certified Associate (ACA)- Illustrator
	WISE Financial Literacy	ASK Institute – Concepts of Entrepreneurship and Management
		ASK Institute – Fundamental Business Concepts
		IC ³ Global Standard 4 (or higher)
		Microsoft Office – Excel 2016 Expert
		Microsoft Office – Word 2016 Expert
		Microsoft Office Specialist 2016 (MOS) (Two of the following areas REQUIRED)
		<ul style="list-style-type: none"> • Access
		<ul style="list-style-type: none"> • Excel
		<ul style="list-style-type: none"> • Outlook
		<ul style="list-style-type: none"> • PowerPoint
	<ul style="list-style-type: none"> • SharePoint 	
	<ul style="list-style-type: none"> • Word 	

CLUSTER: EDUCATION AND TRAINING			
Program	Stackable Credentials	Career Readiness Indicators	
Teaching and Training	AAFCS Pre-Professional Assessment Education Fundamentals NOCTI – Education and Training	Athens State University Education and Training 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	
		ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)	
		ASK Institute – Concepts of Entrepreneurship and Management	
Early Childhood Education	AAFCS Pre-Professional Assessment Early Childhood Education AAFCS Pre-Professional Assessment Education Fundamentals CPR NOCTI – Early Childhood Care and Education – Basic NOCTI – Early Childhood Care and Education – Advanced NOCTI – Education and Training	Child Development Associate (CDA)	
		Praxis II: Principles of Learning and Teaching: Early Childhood	
		ASK Institute – Concepts of Entrepreneurship and Management	
		ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)	
		ServSafe- Manager	
Administration and Professional Support Services	AAFCS Pre-Professional Assessment Education Fundamentals NOCTI – Education and Training	ASK Institute – Concepts of Entrepreneurship and Management	
		ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics)	
		ServSafe- Manager	

CLUSTER: FINANCE		
Program	Stackable Credentials	Career Readiness Indicators
Finance	Brainbench – Bookkeeping Fundamentals Brainbench – Computer Literacy Brainbench – Investment Concepts Brainbench – MS Office Fundamentals Brainbench – MS Excel Fundamentals Brainbench – MS PowerPoint Fundamentals Brainbench – MS Word Fundamentals CAT1 Expert Rating – Accounting Principles Test Expert Rating – Retail Banking Awareness and Terminology WISE Financial Literacy	ASK Institute – Concepts of Finance
		IC ³ Global Standard 4 (or higher)
		Intuit® Quickbooks Certified User
		Microsoft Office – Excel 2016 Expert
		Microsoft Office – Word 2016 Expert
		Microsoft Office Specialist 2016 (MOS) (Two of the following areas REQUIRED)
		<ul style="list-style-type: none"> • Access
		<ul style="list-style-type: none"> • Excel
		<ul style="list-style-type: none"> • Outlook
		<ul style="list-style-type: none"> • PowerPoint
		<ul style="list-style-type: none"> • SharePoint
		<ul style="list-style-type: none"> • Word
National Academy of Finance (NAF)	National Academy of Finance- NAFTrack Certification	ASK Institute – Concepts of Finance
		IC ³ Global Standard 4 (or higher)
		Intuit® Quickbooks Certified User
		Microsoft Office – Excel 2016 Expert
		Microsoft Office – Word 2016 Expert
		Microsoft Office Specialist 2016 (MOS) (Two of the following areas REQUIRED)
		<ul style="list-style-type: none"> • Excel
		<ul style="list-style-type: none"> • Outlook
		<ul style="list-style-type: none"> • PowerPoint
		<ul style="list-style-type: none"> • Access
		<ul style="list-style-type: none"> • SharePoint
		<ul style="list-style-type: none"> • Word

CLUSTER: GOVERNMENT & PUBLIC ADMINISTRATION			
Program	Stackable Credentials	Career Readiness Indicators	
Air Force JROTC	None Identified	Air Force JROTC Certificate	
Army JROTC	None Identified	Army JROTC Certificate	
Marine Corp JROTC	None Identified	Marine Corp JROTC Certificate	
Naval JROTC	None Identified	Naval JROTC Certificate	

CLUSTER: HEALTH SCIENCE		
Program	Stackable Credentials	Career Readiness Indicators
Health Explorations	AED (ARC or AHA) CERT CPR (ARC or AHA) First Aid (ARC or AHA) OSHA 10 – General Industry Training (Healthcare) Pet First Aid (ARC) Preventing Disease Transmission-Bloodborne Pathogens (ARC or AHA) Sports Safety (ARC)	None Identified
Health Science	AED (ARC or AHA) CERT Certified Personal Trainer (ACSM, NSCA, or NASM) CPR (ARC or AHA) First Aid (ARC or AHA) OSHA 10 – General Industry Training (Healthcare) Pet First Aid (ARC) Preventing Disease Transmission-Bloodborne Pathogens (ARC or AHA) Sports Safety (ARC)	BLS Instructor with Healthcare Provider
		Certified Billing and Coding Specialist (CBCS)
		Certified Patient Care Technician (CPCT)
		Certified Nursing Assistant (CNA)
		Certified Electronic Health Records Specialist (CEHRS)
		Certified Medical Administrative Assistant (CMAA)
		Certified EKG Technician (CET)
		Certified Pharmacy Technician (CPhT)
		Certified Clinical Medical Assistant (CCMA)
		National Emergency Medical Technician (EMT)
		National Emergency Medical Responder (EMR)
Project Lead The Way-Biomedical	AED (ARC or AHA) CERT CPR (ARC or AHA) First Aid (ARC or AHA) OSHA 10 – General Industry Training (Healthcare) Preventing Disease Transmission-Bloodborne Pathogens (ARC or AHA)	American Lifeguard Association Certification
		Certified EKG Technician (CET)
		National Emergency Medical Responder (EMR)
		National Emergency Medical Technician (EMT)
		Lifeguard Certification
		BLS Instructor with Healthcare Provider
		Certified Billing and Coding Specialist (CBCS)
		Certified Patient Care Technician (CPCT)
		Certified Nursing Assistant (CNA)
		Certified Electronic Health Records Specialist (CEHRS)
		Certified Medical Administrative Assistant (CMAA)
Certified Pharmacy Technician (CPhT)		

CLUSTER: HOSPITALITY AND TOURISM		
Program	Stackable Credentials	Career Readiness Indicators
Hospitality & Tourism (NAF)	None Identified	None Identified
Restaurant and Food and Beverage Services	AAFCS Pre-Professional Assessment Culinary Arts ACF – Certified Junior Culinarian NOCTI – Commercial Foods NOCTI – Culinary Arts Prep Cook Level 1 NOCTI – Culinary Arts Prep Cook Level 2 NOCTI – Hospitality Management, Food and Beverage NOCTI – Restaurant, Food and Beverage Services NOCTI – Retail Commercial Baking	ProStart National Certificate of Achievement – COA (must pass the final exam for Level 1 & Level 2 and complete 400 hours of mentored work experience and then apply for credential)
		ServSafe- Manager
Lodging	NOCTI – Commercial Foods NOCTI – Hospitality Management, Food and Beverage NOCTI – Lodging NOCTI – Restaurant, Food and Beverage Services	Certified Hospitality & Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and then apply for credential)
		Certified Guest Service Professional
		Certified Front Desk Representative
		ServSafe- Manager
Recreation, Travel, and Tourism	NOCTI – Hospitality Management-Food and Beverage NOCTI – Hospitality Management-Lodging NOCTI – Lodging NOCTI – Recreation, Amusements & Attractions NOCTI – Travel & Tourism	Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and then apply for credential)
		ServSafe- Manager

CLUSTER: HUMAN SERVICES		
Program	Stackable Credentials	Career Readiness Indicators
Food, Wellness, and Dietetics	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	ServSafe- Manager
	AAFCS Pre-Professional Assessment Food Science Fundamentals AAFCS Pre-Professional Assessment Nutrition, Food, and Wellness	ASK Institute – Concepts of Entrepreneurship and Management
Early Childhood Development and Services	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	ServSafe- Manager
	AAFCS Pre-Professional Assessment, Early Childhood Education CPR NOCTI – Early Childhood Care & Education Basic NOCTI – Early Childhood Care & Education Advanced NOCTI – Early Child Development & Services	ASK Institute – Concepts of Entrepreneurship and Management
Family Studies and Community Services	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	ServSafe- Manager
	AAFCS Pre-Professional Assessment Personal and Family Finance NOCTI – Family & Community Services CPR	ASK Institute – Concepts of Entrepreneurship and Management
Consumer Services	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	National Retail Federation – National Professional Certification in Customer Service and Sales
	AAFCS Pre-Professional Assessment Personal and Family Finance NOCTI – Family & Community Services NOCTI – Financial & Investment Planning	ASK Institute – Concepts of Entrepreneurship and Management
		ServSafe- Manager
Fashion	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	National Retail Federation – National Professional Certification in Customer Service and Sales
	AAFCS Pre-Professional Assessment Fashion, Textiles, and Apparel NOCTI – Apparel & Textile Production and Merchandising NOCTI – Retail Merchandising	ASK Institute – Concepts of Entrepreneurship and Management
		ServSafe- Manager
Interior Design	AAFCS Pre-Professional Assessment Broad Field Family and Consumer Sciences	National Retail Federation – National Professional Certification in Customer Service and Sales
	AAFCS Pre-Professional Assessment Housing and Furnishings AAFCS Pre-Professional Assessment Interior Design Fundamentals NOCTI – Interior Decorating & Design	ASK Institute – Concepts of Entrepreneurship and Management
		ServSafe- Manager
Cosmetology	NOCTI – Cosmetology	Barbering Licensure
	NOCTI – Nail Specialty	Cosmetology Licensure
	Workforce Ready – Cosmetology	Natural Hair Styling Licensure
	Workforce Ready – Nail Care	Nail Care Licensure
	Barbicide: Infection Control Certification	Esthetics Licensure

CLUSTER: INFORMATION TECHNOLOGY		
Program	Stackable Credentials	Career Readiness Indicators
Network Systems and Computer Services	TestOut Network Pro TestOut Security Pro Workforce Ready Computer Maintenance Technology Workforce Ready Internetworking	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)
		Microsoft Technology Associate (MTA) – Cloud Fundamentals
		Microsoft Technology Associate (MTA) – Mobility and Device Fundamentals
		Microsoft Technology Associate (MTA) - Networking Fundamentals
		Microsoft Technology Associate (MTA) - Security Fundamentals
		Microsoft Technology Associate (MTA) - Windows Server Admin Fundamentals
		TestOut Network Pro (4.1.0 or higher)
TestOut Security Pro (5.1.0 or higher)		
TestOut PC Pro (5.0.0 or higher)		
Database Design	Workforce Ready Computer Maintenance Technology	Certified Internet Web (CIW) - Database Design Specialist
		Microsoft Technology Associate (MTA) - Database Administration Fundamentals
		Oracle Certified Associate, Database
Programming and Software Development	Workforce Ready Computer Maintenance Technology	Certified Internet Web (CIW) - JavaScript Specialist
		Microsoft Technology Associate (MTA) - HTML5 Application Development
		Microsoft Technology Associate (MTA) - Software Development Fundamentals
		Microsoft Technology Associate (MTA) - Software Testing Fundamentals
		Oracle Certified Associate (OCA) - Java Programmer

CLUSTER: LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY			
Program	Stackable Credentials	Career Readiness Indicators	
Emergency and Fire Management Services	AED Backflow Prevention Assembly Tester Basic Wild and Firefighter Training Certified Fire Protection Specialist Community Emergency Response Team CPR First Aid Inspection and Testing of Water-Based Systems I National Incident Management System (NIMS) NOCTI – Emergency and Fire Management Services NOCTI – Protective Services NOCTI – Security and Protective Services OSHA 10 hour Wilderness and Remote First Aid	Emergency Medical Responder (EMR)	
		Certified EKG Technician (CET)	
		National Fire Protection Agency – Standard NFPA 1001	
		National Emergency Medical Technician (EMT)	
Law Enforcement	NOCTI – Criminal Justice NOCTI – Security and Protective Services	APCO Public Safety Telecommunicator 1	
Legal Services	NOCTI – Criminal Justice NOCTI – Legal Services	None Identified	

CLUSTER: MANUFACTURING			
Program	Stackable Credentials	Career Readiness Indicators	
Industrial Maintenance – E&I	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Mechatronics Workforce Ready – Automated Manufacturing Technology Snap-on Multimeter Snap-on Precision Measurement	NCCER Core (all modules)	
		NCCER Industrial Maintenance – E & I Level 1	
		NCCER Industrial Maintenance – E & I Level 1+	
		FANUC CERT- Handling Tool Operations and Programming	
		MSSC – Certified Production Technician (CPT)	
Industrial Maintenance – Mechanical	NCCER (one or more modules) OSHA 10 hour Workforce Ready – Mechatronics Workforce Ready – Automated Manufacturing Technology Snap-on Multimeter Snap-on Torque Snap-on Precision Measurement	NCCER Core (all modules)	
		NCCER Industrial Maintenance - Mechanic Level 1	
		NCCER Industrial Maintenance - Mechanic Level 1+	
		FANUC CERT- Handling Tool Operations and Programming	
		MSSC – Certified Production Technician (CPT)	
Manufacturing	MSSC Modules (Manufacturing Skills Standards Council)	NCCER Core (all modules)	
		FANUC CERT- Handling Tool Operations and Programming	
		MSSC – Certified Production Technician (CPT)	
Precision Machining	OSHA 10 hour Workforce Ready – CNC Milling and Turning Technology Snap-on Precision Measurement	NIMS Level 1 Measurement, Materials & Safety	
		NIMS Level 1 Job Planning, Benchwork & Layout	
		NIMS Level 1 Manual Milling Skills I	
		NIMS Level 1 Turning Operations: Turning Between Centers	
		NIMS Level 1 Turning Operations: Turning Chucking Skills	
		NIMS Level 1 Grinding Skills I	
		NIMS Level 1 Drill Press Skills I	
		NIMS Level 1 CNC Turning: Programming Setup & Operations	
		NIMS Level 1 CNC Milling: Programming Setup & Operations	
		NIMS Level 1 CNC Turning: Operations	
		NIMS Level 1 CNC Milling: Operations	
		Electronics Technicians Association - Student Electronics Technician	
		MSSC – Certified Production Technician (CPT)	
Electronics	OSHA 10 hour Workforce Ready – Electronics Application & Technology Workforce Ready – Robotics Snap-on Multimeter	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 Core (all modules)	
		NCCER Electronic Systems Technician, Electronics	

CLUSTER: MARKETING		
Program	Stackable Credential	Career Readiness Indicators
Marketing	Brainbench – Business Communication	Adobe Certified Associate (ACA) – Flash
	Brainbench – Computer Literacy	Adobe Certified Associate (ACA) – Photoshop
	Brainbench – Marketing Concepts	Adobe Certified Associate (ACA) – Dreamweaver
	Brainbench – MS Office Fundamentals	Adobe Certified Associate (ACA) – Premier Pro
	CAT1	Adobe Certified Associate (ACA) – Illustrator
	WISE Financial Literacy	Adobe Certified Associate (ACA) – InDesign
		ASK Institute – Concepts of Entrepreneurship and Management
		ASK Institute – Fundamental Marketing Concepts
		IC ³ Global Standard 4 (or Higher)
		Certified Guest Service Professional
		Microsoft Office – Excel 2016 Expert
		Microsoft Office – Word 2016 Expert
		Microsoft Office Specialist 2016 (MOS) (Two of the following areas REQUIRED)
		<ul style="list-style-type: none"> • Access
		<ul style="list-style-type: none"> • Excel
		<ul style="list-style-type: none"> • Outlook
		<ul style="list-style-type: none"> • PowerPoint
		<ul style="list-style-type: none"> • SharePoint
		<ul style="list-style-type: none"> • Word
		National Retail Federation – National Professional Certification in Customer Service and Sales
	Certified Guest Service Professional	

CLUSTER: STEM			
Program	Stackable Credential	Career Readiness Indicators	
Engineering	NOCTI – Pre-Engineering, Engineering Technology Workforce Ready – Engineering Technology	Autodesk-AutoCAD Certified User	
		Autodesk-Inventor Certified User	
		Autodesk-Revit Certified User	
		SolidWorks Associate	
		SolidEdge Certified Associate	
		FANUC CERT- Handling Tool Operations and Programming	
Aerospace Engineering	None Identified	Autodesk-AutoCAD Certified User	
		Autodesk-Inventor Certified User	
		Autodesk-Revit Certified User	
		SolidWorks Associate	
		SolidEdge Certified Associate	
Career Cluster Technologies	None Identified	None Identified	
Project Lead the Way-Engineering	None Identified	Autodesk-AutoCAD Certified User	
		Autodesk-Inventor Certified User	
		Autodesk-Revit Certified User	
		SolidWorks Associate	
		SolidEdge Certified Associate	
		FANUC CERT- Handling Tool Operations and Programming	
Project Lead The Way-Middle School Engineering	None Identified	None Identified	

CLUSTER: TRANSPORTATION, DISTRIBUTION AND LOGISTICS			
Program	Stackable Credential	Career Readiness Indicators	
Automotive Services	ASE Refrigerant Recovery Recycling OSHA 10 hour S/P2 Safety Snap-on Diagnostics Snap-on Multimeter Snap-on Torque Snap-on Precision Measurement	ASE Student Maintenance and Light Repair	
		ASE Automobile Service Technology	
		ASE Student Suspension and Steering	
		ASE Student Brakes	
		ASE Student Electrical/Electronic Systems	
		ASE Student Engine Performance	
		ASE Student Engine Repair	
		ASE Student Automatic Transmission/Transaxle	
		ASE Student Manual Drive Train and Axles	
		ASE Student Heating and Air Conditioning	
Aviation Technology	OSHA 10 hour Snap-on Multimeter Snap-on Torque Snap-on Precision Measurement	None Identified	
Collision Repair	EPA-6H OSHA 10 hour S/P2 Safety Snap-on Diagnostics Snap-on Multimeter Snap-on Torque Snap-on Precision Measurement	ASE Student Painting and Refinishing	
		ASE Student Structural Analysis and Damage Repair	
		ASE Student Non-structural Analysis and Damage Repair	
		ASE Student Mechanical and Electrical	
		ICAR Auto Refinish Platinum	
		ICAR Intro to Collision Repair	
Diesel Technology	ASE Student OSHA 10 hour Snap-on Diagnostics Snap-on Multimeter Snap-on Torque Snap-on Precision Measurement	ASE Student Diesel Engines	
		ASE Student Electrical/Electronic Systems	
		ASE Student Brakes	
		ASE Student Steering & Suspension	
Marine Technology	OSHA 10 hour Workforce Ready – Marine Service Technology	None Identified	
Power Equipment	Husqvarna Certification OSHA 10 hour Snap-on Multimeter Snap-on Torque Workforce Ready – Power Equipment Technology Snap-on Precision Measurement	Briggs and Stratton Technician (Two of the following areas REQUIRED)	
		• 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 Compact Diesel Engine	
		Equipment Engine Training Council OPE Electrical	
Equipment Engine Training Council Driveline/Hydraulics			
Equipment Engine Training Council Generator			

CLUSTER: LOCALLY DEVELOPED CAREER READINESS INDICATORS (ONLY AVAILABLE TO THE SPECIFIED LEA)			
Program	Stackable Credential	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.	

CRI LIST UPDATE LOG*		
DATE OF CHANGE	TYPE OF CHANGE	CHANGE MADE

*This log will record changes which occur between releases of full list updates. These changes will only be of the types "Nomenclature", "Typographical", or "Formatting." They will not impact a student's ability to earn any of the listed credentials. Additions to the list will occur with the June and December updates. Deletions from the list will only occur with the June update.