2024-2025
Occupational Proficiency List
Career and Technical Education/Workforce Development
Educator Certification

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General Information

Levels of Certificates

ENTRY LEVEL	MASTER LEVEL
Applicable Approaches / Certificates	**Applicable Approaches / Certificates**
➢ Bachelor's Equivalent 1 & 2 – Health Science ➢ Bachelor's Equivalent 1 & 2 – Technical Education ➢ The Additional Teaching Field – Professional ➢ The Additional Teaching Field – Degree Equivalent	➢ Master's Equivalent 3 – Health Science ➢ Sixth-Year Equivalent 4 – Health Science ➢ Master's Equivalent 3 and 4 – Technical Education ➢ Sixth-Year Equivalent 5 – Technical Education ➢ The Additional Teaching Field – Degree Equivalent ➢ The Career and Technical Certificate to a Professional Educator Certificate

Military Experience (optional)

ENTRY LEVEL	MASTER LEVEL
Any military rank of E5 **or below** as indicated on **DD Form 214** in the area seeking certification or in a related Military Occupational Specialty **AND** training hours earned in the area seeking certification or in a related area as indicated on the **Specialized Training Report**.	Any military rank **above** E5 as indicated on **DD Form 214** in the area seeking certification or in a related Military Occupational Specialty **AND** training hours earned in the area seeking certification or in a related area as indicated on the **Specialized Training Report.**

State-Recognized Professional Learning (required)

- **ALL Technical Education Endorsements:** 125 hours of earned State-recognized professional learning/technical updates in **area seeking certification** with at least 15 hours earned at the Annual CTE Summer Conference within the valid period of the certificate held.

- **Health Science:** 30 hours of earned State-recognized professional learning/technical updates in the Healthcare field within the valid period of the certificate held.

Licenses, Credentials, and Certifications

All licenses, credentials, and certifications MUST be either active or inactive but valid on the date the application is submitted to the Educator Certification Section of the ALSDE.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Additive Manufacturing	• Associate's Degree in Drafting Design Technology, Engineering Design Technology, or in a related area **OR** • ADDA Certified Mechanical Drafter • Autodesk Certified User – AutoCAD • Autodesk – Fusion 360 Certified User • Autodesk Certified User – Inventor • NOCTI CAD (4983) • NOCTI – Mechanical Drafting and Design (5272) • NOCTI – Technical Drafting (5178) • Solid Edge – Associate • SolidWorks – Associate **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Engineering, or in a related area **OR** • Autodesk Certified Professional – AutoCAD • Autodesk Certified Professional – Inventor • Autodesk – Certified Professional in Design for Manufacturing • Solid Edge – Professional • SolidWorks – Professional **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • Required state-recognized professional learning see page 4
Advertising Design	• Associate's Degree in Graphic Arts, Advertising, or in a related area **OR** • NOCTI – Advertising Design (5261) **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Graphic Arts, Advertising, or in a related area **OR** • Adobe Certified Professional in Visual Design • Adobe Certified Professional in Web Design • ADDA Certified Digital Designer **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Animation	• Associate's Degree in Animation, or in a related area **OR** • Adobe Certified Professional Animate **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Fine Arts, Arts, or in a related area **OR** • Adobe Certified Professional in Visual Design • Adobe Certified Professional in Web Design • Adobe Certified Instructor **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • Required state-recognized professional learning see page 4

Automotive Services
 	
(Listed in Program Guide as Automotive Technology)
	• Associate's Degree in Automotive Technology, or in a related area
	
	OR
	
	• ASE (The **four** listed below are required):
	  ○ (A5) Brakes
	  ○ (A6) Electrical/Electronic Systems
	  ○ (G1) Maintenance and Light Repair
	  ○ (A4) Suspension and Steering
	• NOCTI Automotive Technician (5262)
	• NOCTI Diesel Technology (5270)
	• NOCTI Heavy Equipment Maintenance and Repair (5192)
	
	OR
	
	• Military experience see page 4
	
	OR
	
	• One of the Master Level Occupational Proficiencies
		• Bachelor's Degree or higher in Automotive Technology or in a related area
		
		OR
		
		• ASE Master Automobile Certification
		
		OR
		
		• Military experience see page 4
		
		AND (ALL OPTIONS)
		• Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Aviation Technology	● Associate's Degree or higher in Airframe Technology, or in a related area **OR** ● FAA Airframe Mechanic Certification (meet FAA standard credit school) ● FAA Power Plant Mechanic Certificate (meet FAA standard credit school) ● Private Pilot License **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● FAA Airframe & Power Plant Mechanic Certificate (General Certificate) ● Commercial Pilot License (CPL) ● Flight Instructor Certificate (CFI) **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Business, Finance, Marketing, and Administration	● Associate's Degree or higher in Business, Finance, or in a related area **AND** ● Microsoft Office Specialist Expert (Year 2019 or higher) **OR** ● Valid Alabama Class B or higher Professional Educator Certificate endorsed in Business/Marketing Education, Business Education, or Marketing Education **AND** ● Microsoft Office Specialist Expert (Year 2019 or higher) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Business, Finance, Marketing, or in a related area **AND** ● Microsoft Certified Educator **OR** ● Valid Alabama Class B or higher Professional Educator Certificate endorsed in Business/Marketing Education, Business Education, or Marketing Education **AND** ● *Business Industry License or Certification (**One** of the six listed below is required) ○ Microsoft Certified Educator ○ CPA license ○ Certified Financial Planner ○ Chartered Financial Analyst ○ Financial Risk Manager ○ American Marketing Association Certifications **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
*Additional licenses or certifications may be submitted for approval		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Collision Repair	● Associate's Degree or higher in Automotive Collision Repair, or in a related area **OR** ● ASE: (The **two** listed below are required) ○ B2 - Painting and Refinishing ○ B3 - Non-Structural Analysis & Damage Repair ● I-Car ProLevel 2 Technician Certificate (**One** of the four listed is required ○ Refinishing (valid) ○ Nonstructural ○ Structural ○ Estimator ● NOCTI Collision and Refinishing Technology (5266) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● ASE Master Collision Repair Technician (The **four** listed below are required) ○ B2 – Painting & Refinishing ○ B3 – Non-Structural Analysis & Damage Repair ○ B4 – Structural Analysis & Damage Repair ○ B5 – Mechanical & Electrical Components ● I-Car ProLevel 3 Platinum Technician (**One** of the four listed is required) ○ Refinishing ○ Nonstructural ○ Structural ○ Estimator (requires 32 hours of classwork) ● I-Car Platinum Level Educator **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Commercial Photography	● Associate's Degree in Photography, Fine Arts, Arts, or in a related area **OR** ● Certified Professional Photographer (CPP) ● Certified Drone Photographer (CDP) ● NOCTI – Audio-Visual Communications Technology (5904) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher, in Photography, Fine Arts, Arts, or in a related area **OR** ● Adobe Certified Professional in Visual Design ● ADDA Certified Digital Designer **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Computer Science[3]	● Bachelor's Degree in Computer Science, Computer Engineering, Software Engineering, or a in a related area **OR** ● C Programming Language Certified Associate (CLA) ● Certiport Information Technology Specialist (ITS) Exam (**Two** of the seven listed below are required) ○ Software Development ○ Java ○ JavaScript ○ Python ○ Artificial Intelligence ○ HTML and CSS ○ HTML5 Application Development ● Oracle Certified Associate (OCA) ● SAS Certified Specialist: Base Programming **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Master's Degree or higher in Computer Science, Computer Engineering, Software Engineering, or a in a related area **OR** ● Certiport Information Technology Specialist (ITS) Exam (**Four** of the seven listed below are required) ○ Software Development ○ Java ○ JavaScript ○ Python ○ Artificial Intelligence ○ HTML and CSS ○ HTML5 Application Development ● Oracle Certified Professional or higher ● SAS Certified Professional: Advanced Programming **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

[3] Higher level expert certifications may be considered for the technical education endorsement at both the ENTRY LEVEL and MASTER LEVEL.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Computer Science – PLTW[3]	● Bachelor's Degree in Computer Science, Computer Engineering, Software Engineering, or in a related area **OR** ● Alabama Class B or higher Professional Educator Certificate in Computer Science, Mathematics, or General Science **OR** ● Certiport Information Technology Specialist (ITS) Exam (**One** of the seven listed is required): ○ Software Development ○ Java ○ JavaScript ○ Python ○ Artificial Intelligence ○ HTML and CSS ○ HTML5 Application Development **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● PLTW Training Institute required per course/per teacher **OR** ● One of the Master Level Occupational Proficiencies	● Master's Degree or higher in Computer Science, Computer Engineering, Software Engineering, or in a related area **OR** ● Certiport Information Technology Specialist (ITS) Exam (**Four** of the nine listed below are required): ● Software Development ● Java ● JavaScript ● Python ● Artificial Intelligence ● HTML and CSS ● HTML5 Application Development ● Oracle Certified Professional or higher ● SAS Certified Professional: Advanced Programming **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● PLTW Training Institute required per course/per teacher ● Required state-recognized professional learning see page 4

[3] Higher level expert certifications may be considered for the technical education endorsement at both the ENTRY LEVEL and MASTER LEVEL.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Construction Technology	● Associate's Degree in Construction, Building Science, or in a related area **OR** ● NCCER[1] Carpenter Level One ● NCCER[2] Commercial Carpenter ● NCCER[2] Industrial Carpenter ● NOCTI – Carpentry (5265) ● NOCTI – Building Construction (5263) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Building Science, or in a related area **OR** ● NCCER[1] Commercial Carpenter ● NCCER[1] Industrial Carpenter ● Alabama Home Builder's License ● Alabama General Contractors License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● Required state-recognized professional learning see page 4
Correctional Service	● Associate's Degree in Corrections, Criminal Justice, or in a related area **OR** ● APOST Certification or equivalent ● DODPOST Certification or equivalent ● Federal Law Enforcement Training Agency **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Criminal Justice, or in a related area **OR** ● APOST Certification or equivalent ● DODPOST Certification or equivalent ● Federal Law Enforcement Training Agency **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Cosmetology and Barbering	● Alabama Cosmetology Instructor License and Barber Instructor License **OR** ● The Master Level Occupational Proficiency	● Associate's degree or higher in Business Administration, or in a related field. **AND** ● Alabama Cosmetology Instructor License and Barber Instructor License **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Culinary Arts	● Associate's Degree in Culinary Arts, or in a related area **AND** ● Serv Safe Manager **OR** ● American Culinary Federation (ACF) Certified Culinarian** **AND** ● Serv Safe Manager **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Culinary Arts, or in a related area **OR** ● Serv Safe Manager **AND** ● **One** of the four listed below is required: ○ American Culinary Federation Certified Master Chef ○ American Culinary Federation Certified Culinary Educator ○ American Culinary Federation Certified Executive Chef ○ American Culinary Federation Certified Master Pastry Chef **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
**Additional licenses or certifications may be submitted for approval		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)

Cybersecurity and Infrastructure	• Associate's Degree in Cybersecurity or in a related area
	
	OR
	
	• Certified Ethical Hacker
	• CompTIA A+ (The **two** listed below are required)
	  ○ Core 1 (220-1101)
	  ○ Core 2 (220-1102)
	• CompTIA Network+
	• CompTIA Security+
	• Certiport Information Technology Specialist (ITS) Exam (**Two** of the five listed below are required)
	  ○ Networking
	  ○ Network Security
	  ○ Device Configuration and Management
	  ○ Cloud Computing
	  ○ Cybersecurity
	
	OR
	
	• Military experience see page 4
	
	OR
	
	• One of the Master Level Occupational Proficiencies
		• Bachelor's Degree or higher in Computer Science, Computer Engineering, or in a related area
		AND
		(**One** of the options below)
		• CompTIA A+ (The **two** listed below are required)
		  ○ Core 1 (220-1101)
		  ○ Core 2 (220-1102)
		• CompTIA Network+
		• CompTIA Security+
		• Certiport Information Technology Specialist (ITS) Exam (**Four** of the five listed below are required)
		  ○ Networking
		  ○ Network Security
		  ○ Device Configuration and Management
		  ○ Cloud Computing
		  ○ Cybersecurity
		
		OR
		
		• Military experience see page 4
		
		AND (ALL OPTIONS)
		• Required state-recognized professional learning see page 4

Diesel Technology	• Associate's Degree in Diesel Technology, Automotive Technology, or in a related area
	
	OR
	
	• ASE (The **four** listed below are required)
	  ○ T4 – Brakes
	  ○ T5 – Suspension & Steering
	  ○ T6 – Electrical/ Electronic Systems
	  ○ T8 – Preventive Maintenance Inspection
	• NOCTI Diesel Technology (5270)
	• NOCTI Heavy Equipment Maintenance and Repair (5192)
	
	OR
	
	• Military experience see page 4
	
	OR
	
	• One of the Master Level Occupational Proficiencies
		• Bachelor's Degree or higher in Diesel Technology, Automotive Technology, or in a related area
		
		OR
		
		• ASE Medium-Heavy Vehicle Master Certification
		
		OR
		
		• Military experience see page 4
		
		AND (ALL OPTIONS)
		• Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Early Childhood Education	● Associate's Degree in Early Childhood Development, or in a related area **AND** ● **Praxis:** Principles of Learning and Teaching (PLT) (Grades K–6) (Passed within 5 years from date the application is received in the Educator Certification Section) **OR** ● Associate's Degree or higher in Early Childhood Development, or in a related area **AND** ● Completion of Child Development Associate Credential (CDA) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Early Childhood Education, or in a related area **AND** ● **Three** or more years of classroom teaching experience, grades (P-3) **AND** ● **Two** courses listed below taken in the last 5 years from the date the application is received in the Educator Certification Section with a grade of "C" or higher earned at an Alabama institution ○ Inclusion of Special Needs Students ○ Method courses in: Math, Science, Social Science, English Language Arts, or Teaching Career Technical Education **OR** ● Bachelor's Degree or higher in Early Childhood Education, or in a related area **AND** ● **Three** or more years of classroom teaching experience, grades (P-3) **AND** ● *Valid National Board-Certified Teacher Credential ○ Generalist (P-3) ○ Family and Consumer Sciences **OR** ● Bachelor's Degree or higher in Early Childhood Education, or in a related area **AND** ● **Praxis:** Principles of Learning and Teaching (PLT) grades (K–6) (Passed within 5 years from date the application is received in the Educator Certification Section) **AND** ● **Three** or more years of classroom teaching experience, grades (P-3) **OR** ● Bachelor's Degree or higher in Early Childhood Education, or in a related area **AND** ● Completion of Child Development Associate Credential (CDA) **AND** ● **Three** or more years of classroom teaching experience, grades (P-3) **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
*The initial or recertification of National Board-Certified Teacher Credentials may be accepted.		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Educators in Training	• Bachelor's Degree in an area of education **AND** • **Three** or more years of teaching experience in grades (P-12) **AND** • **One** of the two courses taken in the last 5 years from the date the application is received in the Educator Certification Section with a grade of "C" or higher at an Alabama institution ○ Inclusion of Special Needs Students ○ Method courses in: Math, Science, Social Science, English Language Arts, or Teaching Career Technical Education **OR** • Bachelor's Degree in area of education **AND** • **Three** or more years of classroom teaching experience, in grades (P-12) **AND** (One of the Praxis PLT test listed below) • **Praxis:** Principles of Learning and Teaching (PLT) grades (K-6) (Passed within 5 years from the date the application is received in the Educator Certification Section) • **Praxis:** Principles of Learning and Teaching (PLT) grades (7-12) (Passed within 5 years from date of application) **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Valid Alabama Class B or higher Professional Educator Certificate in grades (P-12). **AND** • **Ten** or more years of classroom teaching experience, in grades (P-12) **OR** • Valid Alabama Class B or higher Professional Educator Certificate in grades (P-12). **AND** • **Three** or more years but less than ten years of classroom teaching experience, grades (P-12) **AND** (One of the options listed below) • **Two** courses taken in the last 5 years from date of application with a grade of "C" or higher at an Alabama institution ○ Inclusion of Special Needs Students ○ Method courses: Math, Science, Social Science, English Language Arts, or Teaching Career Technical Education • **Praxis:** Principles of Learning and Teaching (PLT) grades (K-6) (Passed within 5 years from the date the application is received in the Educator Certification Section) • **Praxis:** Principles of Learning and Teaching (PLT) grades (7–12) (Passed within 5 years from the date the application is received in the Educator Certification Section) • *Valid National Board-Certified Teacher Credential ○ Generalist (excluding Instructional Support Areas) ○ Family and Consumer Sciences **OR** • Valid Alabama Class B Professional Educator Certificate or higher endorsed in Family and Consumer Sciences in grades (6-12) **AND** • **Three** or more years of teaching experience in the Education and Training Cluster in grades (6-12) **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • Required state-recognized professional learning see page 4
*The initial or recertification of National Board-Certified Teacher Credentials may be accepted.		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Electrical Technology ***(Listed in Program Guide as Electrical)***	• Associate's Degree in Building Science, or in a related area **OR** • NCCER[1] Electrician Level 1 • NCCER[2] Commercial Electrician • NCCER[2] Industrial Electrician • NOCTI – Electrical Construction Technology (5271) **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Building Science, or in a related area **OR** • Alabama Electrical Contractor's License • NCCER[1] Commercial Electrician • NCCER[1] Industrial Electrician • Alabama Home Builder's License • Alabama General Contractors License **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • NCCER ICTP • Required state-recognized professional learning see page 4
Electronics Technology ***(Listed in Program Guide as Electronics)***	• Associate's Degree in Electronics, Robotics, or in a related area **OR** • Electronics Technicians Association CETa Exam • NCCER[2] Electronic System Technician • NOCTI Electronics Computer Repair Technology (5282) **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree in Electronics, Robotics, or in a related area **OR** • Electronics Technicians Association Industrial Electronics Exam • NCCER[1] Electronics System Technician **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Emergency and Fire Management Services	● Associate's Degree in Fire Science, Fire Technology, Fire Administration, Fire Fighter/Paramedic, Law & Public Safety, or in a related area **OR** ● Firefighter I/II ● Fire Instructor I ○ School systems planning to offer the National Fire Protection Agency 1001 certification must employ a teacher who holds Fire Instructor I certification. **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● National or Alabama Registered Emergency Medical Technician/ Emergency Medical Technician Advanced/ Emergency Medical Technician Paramedic **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Fire Science, Law & Public Safety, or in a related area **OR** ● Fire Officer I ● Certified in Rescue Technician content other than Rope I and Rope II (**Four** of the nine listed below are required) ○ RT: Cave I/II ○ RT: Confined Space I/II ○ RT: Dive I ○ RT: Structural Collapse I/II ○ RT: Surface Water I/II ○ RT: Swiftwater I/II ○ RT: Trench I/II ○ RT: Vehicle Extrication and Machinery Extrication I ○ RT: Wilderness I/II ● EMS Safety Officer ● Rescue Officer Level I may be certified as an EMS Safety Officer I **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● National or Alabama Registered Emergency Medical Technician/ Emergency Medical Technician Advanced/ Emergency Medical Technician Paramedic ● Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Engineering	● Bachelor's Degree in Engineering or in a related area **OR** ● Valid Alabama Class B Professional Educator Certificate in Math, General Science, Chemistry, or Physics ● NOCTI – Pre-Engineering/Engineering Technology (5915) **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● 15 hours of earned State-recognized professional learning/technical updates in **Engineering** within the valid period of the certificate held **OR** ● One of the Master Level Occupational Proficiencies	● Master's Degree or higher in Engineering or in a related area **OR** ● Valid Alabama Class A or higher Professional Educator Certificate in Math, General Science, Chemistry, or Physics **AND** ● NOCTI – Pre-Engineering/Engineering Technology (5915) **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Flight Technology	● Associate's Degree in Aviation Flight Technology or in a related area **OR** ● Private Pilot License **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree in Aviation Flight Technology or in a related area **OR** ● Commercial Pilot License (CPL) ● Flight Instructor Certificate (CFI) **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Forestry[4]	● Forestry Worker Certification **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Forestry Worker Certification **AND** ● Integrated Pest Management Certification **OR** ● Urban Forestry Technician **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Graphic Arts	● Associate's Degree in Graphic Arts, or in a related area **OR** ● Adobe Certified Professional – InDesign ● NOCTI – Graphic Production Technology (5938) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Graphic Design, or in a related area **OR** ● Adobe Certified Professional in Visual Design ● ADDA Certified Digital Designer ● Adobe Certified Expert Certification **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

[4]Inactive Program

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)		MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)	
Health Science	**Health Profession**	**Alabama License**	**Health Profession**	**Alabama License**
	Athletic Trainer (**not** Personal Trainer)	ATC	Athletic Trainer (not Personal Trainer)	ATC
	Licensed Practical Nurse *(With an earned Associate of Science Degree)*	LPN	*Nurse Practitioner	CRNP
	*Nurse Practitioner	CRNP	Occupational Therapist	OT, OT/L, OTR/L or LOTR
	Occupational Therapist	OT, OT/L, OTR/L or LOTR	Paramedic	Paramedic
	Occupational Therapy Assistant	OTA	Pharmacist	PharmD/RPh
	Paramedic	Paramedic	Physician	MD or DO
	Pharmacist	PharmD/RPh	Physician Assistant	PA
	Physician	MD or DO	Physical Therapist	PT or RPT
	Physician Assistant	PA	*Registered Nurse	RN
	Physical Therapist	PT or RPT	Respiratory Therapist	RRT, CRT, or LRT
	Physical Therapy Assistant	PTA	Veterinarian	DVM
	*Registered Nurse	RN		
	Registered Technologist, Radiography *(With an earned Associate of Science Degree)*	RT(R)		
	Respiratory Therapist	RRT, CRT, or LRT		
	Veterinarian	DVM		
			AND ● BLS Instructor Certification **AND** ● 30 hours of earned State-recognized professional learning/technical updates in the **Healthcare** field within the valid period of the certificate held	

*School systems planning to offer a Certified Nurse Aide Training Program must employ a teacher who is a Registered Nurse. Must have two years of nursing experience and one year must be in caring for geriatric patients.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Heating, Ventilation, & Air Conditioning	● NCCER[2] HVAC Technician **OR** ● NOCTI - HVAC Maintenance Technology (5937) ● Alabama Board of Heating, Air Conditioning and Refrigeration Contractors License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● EPA Card **OR** ● One of the Master Level Occupational Proficiencies	● Associate's Degree or higher in HVAC, or in a related area **OR** ● NCCER[1] HVAC Technician ● Alabama General Contractors License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● EPA Card ● Required state-recognized professional learning see page 4
Heavy Equipment Operation[4]	● Associate's Degree in Heavy Equipment Operations, Building Science, or in a related area **OR** ● NCCER[1] Heavy Equipment Operator (HEO) Level One ● NCCER[1] HEO: Forklift ● Heavy Equipment Training Program (Minimum of 6 weeks-must be regionally accredited or accredited by DEAC) ● NOCTI – Heavy Equipment (5913) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Building Science, or in a related area **OR** ● NCCER[1] HEO: Loader ● NCCER[1] HEO: Excavator ● NCCER[1] HEO: Dozer ● NCCER[1] HEO: Backhoe ● Alabama Home Builder's License ● Alabama General Contractors License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

[4] Inactive Program

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Horticulture[4]	● Landscape Management Technician **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Landscape Management Technician **AND** ● Integrated Pest Management Certification **OR** ● Turfgrass Management Certification **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Industrial Maintenance-Electrical and Instrumentation (E&I)	● Associate's Degree in Electrical and Instrumentation Technology, or a related area **OR** ● NCCER[2] Electrical and Instrumentation Technician ● NCCER[2] Industrial Millwright ● NCCER[2] Commercial Electrician ● NCCER[2] Industrial Electrician ● NCCER[1] Electrician Level 1 **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Electrical and Instrumentation Engineering, or a related area **OR** ● NCCER[1] Electrical and Instrumentation Technician ● NCCER[1] Commercial Electrician ● NCCER[1] Industrial Electrician ● NCCER[1] Industrial Millwright ● MSSC Certified Production Technician ● Alabama Electrical Contractor's License ● FANUC CERT – Handling Tool Operations and Programming **OR** ● Military experience see page 4 AND (ALL OPTIONS) ● Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

[4] Inactive Program

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Industrial Maintenance-Mechanical	● Associate's Degree in Industrial Maintenance Mechanical, or in a related area **OR** ● NCCER[2] Industrial Maintenance Mechanic ● NOCTI Industrial Maintenance Mechanics (5174) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Industrial Maintenance, or in a related area **OR** ● NCCER[1] Industrial Maintenance Mechanic ● FANUC CERT – Handling Tool Operations and Programming ● MSSC Certified Production Technician **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2] The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Information Technology Support and Service[3]	● Associate's Degree or higher in Computer Networking, or in a related area **OR** ● Certified Ethical Hacker ● CompTIA A+ (The **Two** listed below are required) ○ Core 1 (220-1101) ○ Core 2 (220-1102) ● CompTIA Network+ ● CompTIA Security+ ● Certiport Information Technology Specialist (ITS) Exam (**Two** of the five listed below are required): ○ Networking ○ Network Security ○ Device Configuration and Management ○ Cloud Computing ○ Software Development **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Computer Networking, or in a related area **AND** (One of the options below) ● CompTIA Network+ ● CompTIA Security+ ● CompTIA A+ (The **Two** listed below are required) ○ Core 1 (220-1101) ○ Core 2 (220-1102) ● Certiport Information Technology Specialist (ITS) Exam(**Four** of the five listed below are required) ○ Networking ○ Network Security ○ Device Configuration and Management ○ Cloud Computing ○ Artificial Intelligence **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

[3] Higher level expert certifications may be considered for the technical education endorsement at both the ENTRY LEVEL and MASTER LEVEL.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
JAG Specialist	● Associate's Degree or higher in an area listed below, or in a related area ○ Social Work ○ Counseling (Other than school counseling) ○ Business Administration ○ Human Services ○ Occupational Education ○ Psychology ○ Rehab and Disability Studies ○ Sociology ○ Human Resources **OR** ● ***One** of the five listed below is required (Valid within 5 years from the date the application is received in the Educator Certification Section) ○ NCDA -Facilitating Career Development Credential ○ NCDA - School Career Development Advisor Credential ○ SHRM Senior Certified Professional (SHRM-SCP) ○ Professional in Human Resources (PHR) Certification ○ CPTD – Certified Professional in Talent Development **AND** ● **15 hours** Continuing Education in a related area **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in an area listed below, or in a related area ○ Social Work ○ Counseling (Other than school counseling) ○ Business Administration ○ Human Services ○ Occupational Education ○ Psychology ○ Rehab and Disability Studies ○ Sociology ○ Human Resources **AND** ● Passing of the National Counseling Exam (NCE) **OR** ● ***One** of the five listed below is required (Valid within 5 years from the date the application is received in the Educator Certification Section) ○ NCDA – Certified School Career Development Advisor Credential ○ ACWS – Academy of Certified Social Worker ○ DCSW – Diplomate in Clinical Social Work ○ Licensure Issued by Alabama State Board of Examiners in Social Work or Counseling (other than school counseling) ○ PHR -- Professional in Human Resources **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
*Additional licenses or certifications may be submitted for approval.		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Law Enforcement	● Associate's Degree in a Law and Public Safety area **OR** ● APOST Certification or equivalent ● DODPOST Certification or equivalent ● Federal Law Enforcement Training Agency **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in a Law and Public Safety area **OR** ● APOST Certification or equivalent ● DODPOST Certification or equivalent ● Federal Law Enforcement Training Agency **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Legal Services	● Associate's Degree or higher in Paralegal, Criminal Justice, or in a related area **OR** ● NOCTI-Criminal Justice (5269) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Law, Criminal Justice or, in a related area **AND** ● NOCTI-Criminal Justice (5269) **OR** ● Master's Degree or higher in Criminal Justice, or in a related area ● Juris Doctorate **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Logistics	● Associate's Degree in Logistics, Materials, & Supply Chain Management or in a related area **OR** ● MSSC Certified Technician for Supply Chain Automation (CT-SCA) and Skill Boss-Logistics ● MSSC Certified Logistics Associate ● NOCTI Logistics (5914) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Logistics, Materials, & Supply Chain Management or in a related area **OR** ● MSSC Certified Logistics Technician ● ASCM- Supply Chain Management **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Masonry	● Associate's Degree in Masonry, Building Science, or in a related area **OR** ● NCCER[1] Masonry Level One ● NOCTI – Mason/Masonry (5933) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Building Science, or in a related area **OR** ● NCCER[1] Masonry ● Alabama Home Builder's License ● Alabama General Contractors License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● Required state-recognized professional learning see page 4

[1] The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Modern Manufacturing ***(Listed in Program Guide as Modern Manufacturing and Modern Manufacturing Center of Excellence)***	• Associate's Degree in Manufacturing or in a related area **OR** • NCCER[2] Industrial Maintenance Mechanic • NCCER[2] Industrial Maintenance Electrical and Instrumentation Technician • NCCER[2] Industrial Millwright • NCCER[2] Commercial Electrician • NCCER[2] Industrial Electrician • NCCER[1] Electrician Level 1 **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Manufacturing, Engineering, or in a related area **OR** • NCCER[1] Commercial[1] Electrician • NCCER[1] Industrial[1] Electrician • NCCER[1] Industrial Maintenance Electrical and Instrumentation Technician • NCCER[1] Industrial Maintenance Mechanic • NCCER[1] Industrial Millwright • MSSC Certified Production Technician • Alabama Electrical Contractor's License **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • NCCER ICTP • Required state-recognized professional learning see page 4
Plumbing	• Associate's Degree or higher Plumbing, Building Science, or in a related area **OR** • NCCER[2] Industrial Pipefitter • NCCER[2] Plumber • NOCTI - Plumbing (5175) **OR** • Military experience see page 4 **OR** • One of the Master Level Occupational Proficiencies	• Bachelor's Degree or higher in Building Science, or in a related area **OR** • NCCER[1] Industrial Pipefitter • NCCER[1] Plumber • Alabama Journeyman Plumber License • Alabama Master Plumber License • Alabama Home Builder's License • Alabama General Contractors License • Alabama Journeyman or Master Gas Fitter License **OR** • Military experience see page 4 **AND (ALL OPTIONS)** • NCCER ICTP • Required state-recognized professional learning see page 4

[1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

[2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Precision Machining	● Associate's Degree in Precision Machining Technology, or in a related area **OR** ● NOCTI Precision Machining (5176) ● NIMS Turning I Between Centers ● NIMS Turning I Chucking ● NIMS Milling I ● NIMS CNC Mill Operations ● NIMS CNC Lathe Operation ● NIMS (The **two** areas listed below are required) ○ Measurement, Materials, & Safety ○ Manual Milling Skills I **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● **One** of the NIMS Certification listed below: ○ NIMS Turning II Between Centers ○ NIMS Turning II Chucking ○ NIMS Milling II ○ NIMS CNC Mill II ○ NIMS CNC Lathe II **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Real Estate	● Associate's Degree or higher in Business, Finance, or in a related are **AND** ● *Microsoft Office Specialist Expert (Year 2019 or higher) **OR** ● Alabama Real Estate License **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Alabama Real Estate Broker's License **AND** ● *Microsoft Certified Educator **OR** ● Real Estate Educator's License **AND** ● *Microsoft Certified Educator **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
*Additional License or Certifications may be submitted for approval.		

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)

Robotics and Automation
 	
(Listed in Program Guide as Robotics and Automated Manufacturing)
	• Associate's Degree in Robotics, Electrical Engineering or in a related area
	
	OR
	
	• FCR-T1 FANUC Certified Robot Technician - 1
	• FCT-T2 FANUC Certified Robot Technician - 2
	• NC3 (**Four** of the nine areas listed below are required)
	  ○ Fundamentals of Industry 4.0
	  ○ Fundamentals of Fluid Power – Hydraulics
	  ○ Fundamentals for Fluid Power – Pneumatics
	  ○ Fundamentals of Electricity – DC
	  ○ Fundamentals of Electricity – AC
	  ○ Fundamentals of Mechanical Systems
	  ○ Fundamentals of Sensor Technology
	  ○ Fundamentals of PLC's
	  ○ Fundamentals of Robotics
	
	OR
	
	• Military experience see page 4
	
	OR
	
	• One of the Master Level Occupational Proficiencies
		• Bachelor's Degree or higher in Robotics, Electrical Engineering or in a related area
		
		OR
		
		• Electronics Technicians Association Industrial Electronics
		• NC3 – Certified Industry 4.0 Associate
		
		OR
		
		• Military experience see page 4
		
		AND (ALL OPTIONS)
		Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
SREB: AC Automated Materials Joining Technology	● See Additive Manufacturing **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Additive Manufacturing **AND (ALL OPTIONS)** ● SREB Training Institute required per course/per teacher
SREB: AC Energy and Power	See Electronics Technology OR Engineering **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Electronics Technology **OR** Engineering **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher
SREB: AC Global Logistics and Supply Chain Management	● See Logistics **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Logistics **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher
SREB: Clean Energy	● See Electrical Technology **OR** Utility Line Worker **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Electrical Technology **OR** Utility Line Worker **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher
SREB: AC Informatics[3]	● See Cybersecurity and Infrastructure **OR** Information Technology Support and **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Cybersecurity and Infrastructure **OR** Information Technology Support and Service **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher
SREB: AC Integrated Production Technologies	● See Additive Manufacturing **OR** Engineering **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Additive Manufacturing **OR** Engineering on **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher
SREB: Innovations in Science and Technology	● See Engineering **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher	● See Engineering **AND (ALL OPTIONS)** ● SREB Teacher Training Institute required per course/per teacher

[3] Higher level expert certifications may be considered for the technical education endorsement at both the ENTRY LEVEL and MASTER LEVEL.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Technical Design	● Associate's Degree in Drafting or in a related area **OR** ● Autodesk Certified User – AutoCAD ● Autodesk Certified User – Inventor ● Autodesk Certified User -Revit ● Autodesk Certified User- Fusion 360 ● NOCTI – Mechanical Drafting and Design (5272) ● NOCTI – Technical Drafting (5178) ● Solid Edge – Associate ● SolidWorks – Associate **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Building Science, Engineering, or in a related are of Construction **OR** ● Autodesk Certified Professional – AutoCAD ● Autodesk Certified Professional – Inventor ● Solid Edge – Professional ● SolidWorks – Professional **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4
Television Production	● Associate's Degree in Television/Video Production, Digital Video, or in a related area **OR** ● Adobe Certified Professional in Premier Pro ● Adobe Certified Professional in After Effects ● NOCTI – Television Production (5186) ● NOCTI – Audio-Video Technology (5904) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Broadcast Engineering, Broadcast Journalism, Television/ Video Production, Digital Video or in a related area **OR** ● Adobe Certified Professional in Video Design **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● Required state-recognized professional learning see page 4

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Utility Line Worker	● Associate's Degree in a Building Science, Construction, or in a related area **OR** ● NCCER[1] Power Line Worker Level 1 ● Utility Line Worker Education Certificate (Train the Trainer) ● Pre-Apprentice Lineman School minimum of 7 weeks-must be regionally accredited or accredited by DEAC **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● Bachelor's Degree or higher in Building Science, Construction, Engineering, or in a related area **OR** ● NCCER[1] Power Line Worker: Distribution Level 2 ● NCCER[1] Power Line Worker: Substation Level 2 ● NCCER[1] Power Line Worker: Transmission Level 2 ● Journeyman or Master Lineman or Equivalent ● Alabama Electrical Contractor's License ● NCCER[1] Commercial Electrician ● NCCER[1] Industrial Electrician ● Alabama Home Builder's License ● Alabama General Contractor's License **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● Required state-recognized professional learning see page 4
Welding	● Associate's Degree or higher in Welding or in a related area **OR** ● 3 AWS Performance Tests: **Three** of the five areas listed below are required (Select two required and one optional): ○ **Required:** ○ SMAW 3-G or 3-F uphill progression D1.1 ○ GTAW 3-G or 3-F uphill progression (Steel) ○ FCAW 3-G or 3-F uphill progression D1.1 ○ **Optional:** ○ GTAW 3-G or 3-F uphill progression (aluminum) D1.2 ○ GMAW 3-G or 3-F uphill progression D1.1 ● 4G ● 5G ● NOCTI - Welding (5279) **OR** ● Military experience see page 4 **OR** ● One of the Master Level Occupational Proficiencies	● 5 AWS Performance Tests: **Four** of the five areas listed below are required (Select three required and one optional): ○ **Required:** ○ SMAW 3-G uphill progression D1.1 ○ GTAW 3-G uphill progression (Steel) ○ FCAW 3-G uphill progression D1.1 ○ **Optional:** ○ GTAW 3-G uphill progression (aluminum) D1.2 ○ GMAW 3-G uphill progression D1.1 ● AWS CWI Certification ● 6G ● 6GR **OR** ● Military experience see page 4 **AND (ALL OPTIONS)** ● NCCER ICTP ● Required state-recognized professional learning see page 4

[1] The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Working in Multicultural Environments: Korean	• National Board of Certified Medical Interpreters Hub – CMI Certification (must be followed by the CMI Certification within two years) • Certified by the ATA *(See page 36)* **OR** • One of the Master Level Occupational Proficiencies	• National Board of Certified Medical Interpreters CMI Certification (must be completed within two years of the Hub – CMI Credential) **OR** • National Board of Certified Medical Interpreters Hub – CMI Certification (must be followed by the CMI Certification within two years) **AND** • Certified by the ATA *(See page 36)*

For Professional Educator Certificate Renewal Only

If you have a Class B, Class A, or Class AA, you can meet either entry level or master level Occupational Proficiency.

Technical Education Endorsement	ENTRY LEVEL (Choose ONE of the ● options unless otherwise indicated)	MASTER LEVEL (Choose ONE of the ● options unless otherwise indicated)
Agriscience*	● NCCER Core (Module 6 is not required) ● NCCER Carpentry Level 1 ● NCCER Welding Level 1 ● NCCER ICTP ● Forestry Worker Certification ● **One** of the Skills for Success Certifications listed below: ○ Skid Steer ○ FAA part 107 ○ Bulldozer ○ Meat Cutter ○ Asphalt Roller	● Initial National Board Certification in Career and Technical Education ● **One** of the Alabama Green Industry Certification in the following areas (https://www.agitc.org/): ○ Alabama Certified Landscape Professional Program (ALCLP) ○ Integrated Pest Management Certification ○ Turfgrass Management Certification
Business/Marketing	● See Business, Finance, Marketing, and Administration on page 7.	● See Business, Finance, Marketing, and Administration on page 7.
Career Technologies*	● NOCTI – Pre-Engineering/Engineering Technology (5915) ● Autodesk Certified User – AutoCAD ● Autodesk Certified User – Inventor ● Solid Edge – Associate ● SolidWorks - Associate	● Initial National Board Certification in Career and Technical Education OR Mathematics OR Science ● Initial National Institute for STEM Education STEM Certification ● **One** of the following Praxis Test ○ Middle School Mathematics 5164 (grades 4-8) ○ Mathematics 5165 (grades 6-12) ○ Middle School Science 5442 (grades 4-8) ○ General Science 5436 (grades 6-12) ● Autodesk Certified Professional – AutoCAD ● Autodesk Certified Professional – Inventor ● Solid Edge – Professional ● SolidWorks – Professional
Computer Science	● See Computer Science on page 9.	● See Computer Science on page 9.
Family and Consumer Sciences*	● Google Educator Certification Levels 1 and 2 ● Microsoft Educator and Microsoft Advanced Educator ● ServSafe Manager Certification ● A Skills for Success Certification in one of the following areas: ○ Food and Beverage ○ Hotel Operations ○ Meat Cutter	● Initial National Board Certification in Career and Technical Education ● A passing score on the National Council for Interior Design Qualification Examination ● Current Registered Dietitian License
*Additional licenses or certifications may be submitted for approval.		

Please note this information only applies if you are renewing or reinstating your Class B, Class A, or Class AA Professional Educator Certificate in Agriscience, Business/Marketing, Career Technologies, and/or Family and Consumer Sciences. For details on how to apply and the current renewal requirements, please email edcert@alsde.edu.

Acronyms & Abbreviations

ABYC:	American Boat and Yacht Council	**LOTR:**	Licensed Occupational Therapist
AC:	Alternating Current	**LPN:**	Licensed Practical Nurse
ACF:	American Culinary Federation	**LRT:**	Licensed Respiratory Therapist
ACWS:	Academy of Certified Social Worker	**MD:**	Medical Doctor
ADDA:	American Design Drafting Association	**MSSC:**	Manufacturing Skills Standards Council
ALSDE:	Alabama State Department of Education	**NCCER:**	National Center for Construction Education & Research
APOST:	Alabama Peace Officer's Standards and Training	**NCDA:**	National Career Development Association
ASE:	Automotive Service Excellence	**NCE:**	National Counseling Exam
ATA:	American Translators Association	**NIMS:**	National Institute for Metalworking Skills
ATC:	Athletic Training Certification	**NOCTI:**	National Occupation Competency Testing Institute
AWS:	American Welding Society	**OT:**	Occupational Therapist
BLS:	Basic Life Support	**OT/L:**	Occupational Therapist/Licensed
CDA:	Child Development Associate	**PharmD:**	Pharmacist
CDP:	Certified Drone Photographer (Professional Photographers of America)	**PHR:**	Professional in Human Resources
CLA:	C Programming Language Certified Associate's	**PLT:**	Principles of Learning and Teaching
CLD:	National Institute Certified LabVIEW Developer	**PLTW:**	Project Lead The Way
CLAD:	National Institute Certified LabVIEW Associate's Developer	**PT:**	Physical Therapist
CMI:	National Board of Certified Medical Interpreters Certification	**PTA:**	Physical Therapy Assistant
CNC:	Computer Numerical Control	**OTR/L:**	Registered Occupational Therapist/Licensed
CPA:	Certified Public Account	**OUPV:**	Operator of Uninspected Passenger Vessels
CPP:	Certified Professional Photographer (Professional Photographers of America)	**PA:**	Physician Assistant
CRNP:	Certified Registered Nurse Practitioner	**RN:**	Registered Nurse
CRT:	Certified Respiratory Therapist	**RPT:**	Registered Physical Therapist
CWI:	Certified Welding Inspector		
DEAC:	Distance Education Accrediting Commission	**RRT:**	Registered Respiratory Therapist
DCSW:	Diplomate in Clinical Social Work	**RT(R):**	Registered Technologist, Radiography
DO:	Doctor of Osteopathic Medicine	**RpH:**	Pharmacist
DODPOST:	Department of Defense Peace Officer Standards and Training Commission	**SHRM-SCP:**	Senior Certified Professional
DVM:	Veterinarian	**SREB:**	Southern Regional Education Board
EPA:	Environmental Protection Agency- Section 608 Technician Certification	**SWAW:**	Shielded Metal Arc Welding: Stick welding
FAA:	Federal Aviation Administration	**VMET:**	Verification of Military Experience and Training
FCAW:	Flux Core Arc Welding- Flux		
GMAW:	Gas Metal Arc Welding – MIG		
GTAW:	Gas Tungsten Arc Welding – TIG		
HEO:	Heavy Equipment Operator		
ICTP:	Instructor Certification Training Program: NCCER		
ITS:	Information Technology Specialist		

NOTES

ASE

- For testing information visit ASE.

Computer Science / Computer Science-PLTW / SREB: Informatics / Information Technology Support and Service

- [3] Higher level expert certifications may be considered for the technical education endorsement at both the **Entry Level** and **Master Level**.

NCCER

- [1]The applicant must achieve the cut score established by NCCER which is included in the specifications available for each of the specific industry craft assessments.
- [2]The applicant may achieve either the cut score established by NCCER or a minimum cut score on the NCCER first and second level of their industry-specific craft assessment. The minimum cut score will be determined from the applicant's score report that details the number of correct responses for each module assessed and specific to the industry craft assessment.
- For NCCER testing information, email ctetcp@alsde.edu.

NOCTI Testing

- For NOCTI testing, contact Dr. Bob Kimbrell at 205-394-9811.
- NOCTI testing is also available online NOCTI.

Working in Multicultural Environments: Korean

- ATA Certified: ATA Certified
- CMI Certified: CMI Certified