2025 - 2026

PROGRAM GUIDE

MANUFACTURING CLUSTER



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Manufacturing Cluster Program Guides

The Manufacturing cluster provides the knowledge and skills to equip students for careers in additive manufacturing, industrial maintenance, electronics, manufacturing, precision machining, and robotics. These courses include significant technical depth, engineering concepts and terminology. The Manufacturing cluster provides a safe and appropriate setting for student exploration and achievement. Students gain knowledge and skills through an active, structured, and stimulating environment coordinated with simulated workplace learning experiences. The Manufacturing cluster learning environment utilizes a variety of physical space to stimulate development of effective cognitive and psychomotor skills. Students experience a wide range of hands-on activities based on authentic representations of expectations found in the workplace. Theory and concepts are taught in proportion to the need for strong application opportunities with emphasis on timely learning experiences that facilitate the transition to skills attainment. Safety, proper tool use, and adherence to procedures are integral components for all student learning experiences.

		ed Courses" table on page 5 for additional detai	<u> </u>		
Career Pathway Program	Additive Manufacturing Program (Must teach three courses from this program list within two years) Additive Manufacturing is based upon Computer-Aided-Design and 3-D Printing. This program provides students with the knowledge of Introduction, Intermediate, and Advanced Drafting Design Technology, Three-Dimensional Solid Modeling and Engineering Applications and the skill to be successful in the Mechanical and Technical Design fields.				
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations		
21106G1033 13997G1003 13997G1001 21002G1001 21106G1023 13998G1050 21106G1013 21004G1001 13001G1000 17049G1000 21107G1012 21107G1022	Advanced Drafting Design Career Pathway Project in Manufacturing CTE Lab in Manufacturing Engineering Design Applications Intermediate Drafting Design Internship in Manufacturing Introduction to Drafting Design Introduction to Engineering Design Introduction to Manufacturing Safety and Health Regulations Three-Dimensional Solid Modeling I Three-Dimensional Solid Modeling II	 Alabama Certified Employee (ACE) Autodesk – AutoCAD Certified User Autodesk – Design for Manufacturing Autodesk – Fusion 360 Certified User Autodesk – Inventor Certified User Autodesk – Inventor for Mechanical Design Solid Edge Certified Associate Solid Works Associate 	 CAD Designer Mechanical Designer Technical Designer 		
Career Pathway Program	(Must teach three cours The electronics program covers a variety of topics inc Diagrams-Schematics-Wiring Diagrams; Cabling; Pow Formulas; Electronic Circuits; Series and Parallel; Amp Electronics; Computer Applications; Audio & Video S Students will be prepared to earn entry level credentials	ver Supplies; Test Equipment and Measurem lifiers; Interfacing of Electronics Products, Digi ystems; Optical Electronics; Basic Telecommu	ats; Soldering-Desoldering and Tools; Block ents; Safety Precautions; Mathematics and tal Concepts and Circuitry; Computer nications; and Technician Work Procedures.		
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations		
17106G1002	Alternating Current	Alabama Certified Employee (ACE)	• Electrical, Electronic, &		

Industrial Maintenance Electrical & Instrumentation Program (Must teach three courses from this program list within two years) Career Industrial maintenance is divided into two distinct pathways, electrical and instrumentation and mechanical. Industrial maintenance technicians are Pathway needed in every industry that uses machinery, from automotive assembly plants to computer manufacturers. Not only do they repair and maintain Program electrical instruments and equipment, but they also install and dismantle them. Every time a new appliance leaves a factory, or a new car rolls off the line, a skilled industrial maintenance technician played a role in producing it. This program aligns with NCCER standards and covers topics such as Fasteners and Anchors, Process Mathematics, Pneumatic Controls, Oxyfuel Cutting, Introduction to Piping Components, and Laser Alignment. Course **Career Pathway Program Courses Career Readiness Indicator (CRI)** In Demand Occupations Number Career Pathway Project in Manufacturing 13997G1003 • Alabama Certified Employee (ACE) • Industrial Maintenance Electrical CTE Lab in Manufacturing 13997G1001 Repair Technician · Electrical Helper - Skills for Success 13303G1001 Industrial Maintenance Electrical & Instrumentation I • FANUC CERT - Handling Tool • Industrial Maintenance Industrial Maintenance Electrical & Instrumentation II 13303G1002 Operations and Programming Instrumentation Repair Technician Industrial Maintenance Electrical & Instrumentation III 13303G1003 • Miscellaneous Assemblers & • Forklift Operator - Skills for Success 13998G1050 Internship in Manufacturing • Machine Operator - Skills for Success Fabricators Introduction to Manufacturing 13001G1000 • MSSC - Certified Production Safety and Health Regulations 17049G1000 Technician (CPT) (Each module will count as a CRI) • NCCER Core (module 6 is an elective and is not required for CRI) NCCER Industrial Maintenance E&I Level 1 • Operator Technician - Skills for Success **Industrial Maintenance Mechanical Program** (Must teach three courses from this program list within two years) Industrial maintenance is divided into two distinct pathways, electrical and instrumentation and mechanical. Industrial maintenance technicians Career are needed in every industry that uses machinery, from automotive assembly plants to computer manufacturers. Not only do they repair and Pathway maintain electrical instruments and equipment, but they also install and dismantle them. Every time a new appliance leaves a factory, or a new car Program rolls off the line, a skilled industrial maintenance technician played a role in producing it. This program aligns with NCCER standards and covers topics such as Fasteners and Anchors, Process Mathematics, Pneumatic Controls, Oxyfuel Cutting, Introduction to Piping Components, and Laser Alignment Course **Career Pathway Program Courses Career Readiness Indicator (CRI)** In Demand Occupations Number 13997G1003 Career Pathway Project in Manufacturing • Alabama Certified Employee (ACE) · First Line Supervisors of 13997G1001 CTE Lab in Manufacturing • Electrical Helper - Skills for Success Mechanics, Installers and 13303G1004 Industrial Maintenance Mechanical I • FANUC CERT – Handling Tool Repairers Operations and Programming 13303G1005 Industrial Maintenance Mechanical II • First Line Supervisors of Forklift Operator - Skills for Success 13303G1006 Industrial Maintenance Mechanical III Production and Operating Workers • Machine Operator - Skills for Success 13998G1050 Internship in Manufacturing • Industrial Maintenance Mechanical MSSC – Certified Production Repair Technician 13001G1000 Introduction to Manufacturing Technician (CPT) (Each module will • Maintenance and Repair Workers 17049G1000 Safety and Health Regulations count as a CRD

NCCER Core (module 6 is an elective and is not required for CRI)
 NCCER Industrial Maintenance Mechanic Level 1
 Operator Technician – Skills for

Career Pathway Program	Modern Manufacturing Program (Must teach three courses from this program list within two years) Modern Manufacturing is designed to prepare students for entry level positions in manufacturing. These courses align with MSSC and NCCER standards which include modular courses for: Safety, Quality, Production and Maintenance.						
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations				
13997G1003	Career Pathway Project in Manufacturing	Alabama Certified Employee (ACE)	First Line Supervisors of				
13997G1001	CTE Lab in Manufacturing	• Electrical Helper – Skills for Success	Production and Operating Workers				
13001G1000	Introduction to Manufacturing	 FANUC CERT – Handling Tool 	• Maintenance & Repair Workers, General				
13998G1050	Internship in Manufacturing	Operations and Programming	 Manufacturing Operations Manager 				
13002G1013	Manufacturing I: Safety	 Forklift Operator – Skills for Success MSSC – Certified Production Technician (CPT) (Each module will count as a CRI) Manufacturing Operations Techn Miscellaneous Assemblers & Fab 					
13002G1023	Manufacturing II: Quality						
13002G1033	Manufacturing III: Production						
13002G1043	Manufacturing IV: Maintenance						
17049G1000	Safety and Health Regulations	 NCCER Core (module 6 is an elective and is not required for CRI) Operator Technician – Skills for Success 					

Success

2 | Page

Career Pathway Program	Modern Manufacturing Center of Excellence Program (Students must complete all four courses to earn a Career Readiness Indicator) Modern Manufacturing Center of Excellence is designed to prepare students for entry level positions in manufacturing. These courses align with ACE, OSHA 10, and SACA standards which include modular courses for: Employability Skills, Safety, Tool Management, and Principals in Manufacturing.						
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations				
13101G1061	Basics of Manufacturing 1 Center of Excellence – Required Foundation Course	 Alabama Certified Employee (ACE) Forklift Operator – Skills for Success 	 First Line Supervisors of Production and Operating Workers 				
13101G1062	Basics of Manufacturing 2 Center of Excellence	• TOTKING OPERation Distributed and Operating work					
13101G1063	Basics of Manufacturing 3 Center of Excellence • Manufacturing Operations Manager						
13997G1003	Career Pathway Project in Manufacturing						
13997G1001	CTE Lab in Manufacturing		• Miscellaneous Assemblers & Fabricators				
13998G1050	Internship in Manufacturing]					
17049G1000	Safety and Health Regulations						
	nust contact Mrs. Tiffany Poe at West Alabama Works, <u>tiffa</u> /e, as it does require commitment to the conditions in a MOU						

Career Pathway Program	Precision Machining Program (Must teach three courses from this program list within two years) Precision machinists set up and operate a variety of machine tools to produce precision parts and instruments. The precision machining curriculum includes necessary skills for students to fabricate, modify, or repair mechanical instruments.					
Course Number 13997G1003	Career Pathway Program Courses	Career Readiness Indicator (CRI) Alabama Certified Employee (ACE)	In Demand Occupations			
13997G1003 13203G1004 13203G1005 13203G1006 13203G1006 13203G1007 13203G1007 13204G1001 13997G1001 13204G1006 13204G1006 13204G1004 13998G1050 13204G1000 13203G1000 13203G1001 13203G1008 13203G1009 17049G1000	Career Pathway Project in Manufacturing Computer-Aided Design and Computer-Aided Manufacturing I Computer-Aided Design and Computer-Aided Manufacturing II Computer Numerical Control (CNC) I Computer Numerical Control (CNC) II Coordinate Measuring Machine CTE Lab in Manufacturing Drill Press Intermediate Lathe and Bench Work Internship in Manufacturing Introduction to Lathe Introduction to Data Corision Machining Milling and Surface Grinder I Milling and Surface Grinder II Safety and Health Regulations	 Alabama Certified Employee (ACE) Autodesk – Fusion 360 Certified User Forklift Operator – Skills for Success Machine Operator – Skills for Success MSSC – Certified Production Technician (CPT) (Each module will count as a CRI) NIMS Level 1 CNC Milling: Programming Setup and Operations NIMS Level 1 CNC Turning: Programming Setup and Operations NIMS Level 1 Drill Press Skills NIMS Level 1 Grinding Skills NIMS Level 1 Job Planning, Benchwork and Layout NIMS Level 1 Manual Milling Skills NIMS Level 1 Measurement, Materials and Safety NIMS Level 1 Turning: Operations NIMS Level 1 Turning Operations NIMS Level 1 Turning Operations: Turning Between Centers NIMS Level 1 Turning Operations: Turning Chucking Skills 	 CNC Machinist Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders Industrial Machinery Mechanics Maintenance Workers, Machinery Mixing and Blending Machine Setters, Operators and Tenders Molding, Core-making, and Casting Machine Setters, Cutting, Operators and Tenders, Metal and Plastic Packaging and Feeling Machine Operators and Tenders Precision Machinist 			

			Revised 6/26/			
Career Pathway Program	ay The Robotics and Automated Manufacturing program covers a variety of topics including Computer Automation, Design, and Production, as w					
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations			
13997G1003 13997G1001 21010G1001 21010G1002 21010G1003 20101G1033 13998G1050 13001G1000 21009G1001 21009G1002 21010G1004 17049G1000	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Computer Integrated Automation Computer Integrated Design Computer Integrated Production Electronics and Control Systems Internship in Manufacturing Introduction to Manufacturing Introduction to Robotics Robotics Application Robotics and Automation Safety and Health Regulations	 Alabama Certified Employee (ACE) Autodesk – AutoCAD Certified User Autodesk – Inventor Certified User Electrical Helper – Skills for Success Electronics Technicians Association – Basic AC Electronics Technicians Association – Basic Analog Electronics Technicians Association – Basic DC Electronics Technicians Association – Basic DC Electronics Technicians Association – Basic Digital Electronics Technicians Association – Comprehensive Electronics Technicians Association – Student Electronics Technician Forklift Operator – Skills for Success Machine Operator – Skills for Success MSSC – Certified Production Technician (CPT) (Each module will 	 Automation Technician Controls Engineer Electronic Technician Industrial Maintenance Programmable Logic Controller Technician Woodworking Machine Setters, Operators, & Tenders, Except Sawing 			
		 count as a CRI) NCCER Core (module 6 is an elective and is not required for CRI) NCCER Electronic Systems Technician, Electronics Operator Technician – Skills for Success Solid Edge Certified Associate SolidWorks Associate 				
Career Pathway Program		systems that transform design concepts into fu	two years.) dents will explore materials joining and lly developed products. Materials become			
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations			
13997G1003 13997G1001 17049G1000 13104G1013 13104G1012 13104G1011	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Safety and Health Regulations SREB Advanced Concepts in Materials Joining SREB Applications in Automated Materials Joining SREB Introduction to Automated Materials Joining	 Alabama Certified Employee (ACE) Forklift Operator – Skills for Success Machine Operator – Skills for Success MSSC – Certified Production Technician (CPT) (Each module will count as a CRI) 	PLC Automation Technician Process Controls Engineer			
13104G1011 13104G1014	SREB Projects in Automated Materials Joining	• NCCER Core (module 6 is an				

 13104G1014 SREB Projects in Automated Materials Joining
 *NOTE: LEAs must contact SREB for additional information prior to utilizing any of the course codes listed above, as it does require commitment to the conditions in a MOU and participation in mandatory training provided by the provider.
 NCCER Core (module 6 is an elective and is not required for CRI)
 Operator Technician – Skills for Success

Career Pathway Program	*SREB AC Energy and Power Program (Must teach three courses from this program list within two years) Energy and Power program allows students to understand various means of power generation and distribution with topics that include turbines, motor/generator sets, renewable and non-renewable energy generation, and electrochemical systems. Students will also gain knowledge and skills about single and multiple phase generation and distribution systems, transformers, and high voltage AC and DC systems.					
utilizing any of commitment to	Career Pathway Project in Manufacturing Career Pathway Project in Manufacturing CTE Lab in Manufacturing Safety and Health Regulations SREB Advanced Science and Engineered Systems SREB Electronics and Control Systems SREB Energy and Power Foundations SREB Energy Transmission and Distribution s must contact SREB for additional information prior to the course codes listed above, as it does require the conditions in a MOU and participation in mandatory ed by the provider.	Career Readiness Indicator (CRI) Alabama Certified Employee (ACE) Autodesk – AutoCAD Certified User Autodesk – Fusion 360 Certified User Autodesk – Inventor Certified User Machine Operator – Skills for Success NCCER Core (module 6 is an elective and is not required for CRI) Operator Technician – Skills for Success Solid Edge Certified Associate SolidWorks Associate 	In Demand Occupations Ocivil Engineer Electrical Engineer Environmental Scientist/Specialist Project Engineer			
Career Pathway Program		ne frontiers of product development by applying and material costs required to produce the transmission of the second sec	two years.) biology to real-world projects using ing nanotechnology to new areas of need.			
utilizing any of commitment to	Career Pathway Program Courses Career Pathway Project in Manufacturing CTE Lab in Manufacturing Safety and Health Regulations SREB Advanced Technology for Design and Production SREB Design for the Production of Advanced Products SREB Mechatronic Systems for Advanced Production SREB Systems of Advanced Technology s must contact SREB for additional information prior to the course codes listed above, as it does require the conditions in a MOU and participation in mandatory ed by the provider.	 Career Readiness Indicator (CRI) Alabama Certified Employee (ACE) FANUC CERT – Handling Tool Operations and Programming Forklift Operator – Skills for Success Machine Operator – Skills for Success MSSC – Certified Production Technician (CPT) (Each module will count as a CRI) NCCER Core (module 6 is an elective and is not required for CRI) Operator Technician – Skills for Success 	In Demand Occupations Manufacturing Operations Manager Manufacturing Operations Technician 			

2025-2026 Subject and Personnel Codes Manufacturing Cluster

17106G1002	Course Name Advanced Drafting Design	Course Number	Course Name
21106G1033 17106G1002		Number	
17106G1002			
		13204G1002	Introduction to Lathe
1210101061	Alternating Current	13001G1000	Introduction to Manufacturing
1510101001	Basics of Manufacturing 1 Center of Excellence –	13203G1001	Introduction to Precision Machining
1	Required Foundation Course		-
13101G1062	Basics of Manufacturing 2 Center of Excellence	21009G1001	Introduction to Robotics
13101G1063	Basics of Manufacturing 3 Center of Excellence	13002G1013	Manufacturing I: Safety
	Career Pathway Project in Manufacturing	13002G1023	Manufacturing II: Quality
	Computer-Aided Design and Computer-Aided Manufacturing I	13002G1033	Manufacturing III: Production
	Computer-Aided Design and Computer-Aided Manufacturing II	13002G1043	Manufacturing IV: Maintenance
21010G1001	Computer Integrated Automation	13203G1008	Milling and Surface Grinder I
21010G1002	Computer Integrated Design	13203G1009	Milling and Surface Grinder II
21010G1003	Computer Integrated Production	21010G1004	Robotics and Automation
13203G1006	Computer Numerical Control (CNC) I	21009G1002	Robotics Applications
13203G1007	Computer Numerical Control (CNC) II	17049G1000	Safety and Health Regulations
13204G1001	Coordinate Measuring Machine	17106G1003	Semiconductors
13997G1001	CTE Lab in Manufacturing	13104G1013	SREB Advanced Concepts in Materials Joining
17104G1003	Digital Electronics	21049G1000	SREB Advanced Science and Engineered Systems
20101G1033	Electronics and Control Systems	13104G1001	SREB Advanced Technology for Design and Production
21009G1005	Embedded Arduino Controls	13104G1012	SREB Applications in Automated Materials Joining
21002G1001	Engineering Design Applications	13104G1004	SREB Design for the Production of Advanced Products
13303G1001	Industrial Maintenance Electrical & Instrumentation I	21049G1025	SREB Electronics and Control Systems
13303G1002	Industrial Maintenance Electrical & Instrumentation II	20101G1013	SREB Energy and Power Foundations
13303G1003	Industrial Maintenance Electrical & Instrumentation III	20101G1023	SREB Energy Transmission and Distribution
13303G1004	Industrial Maintenance Mechanical I	13104G1011	SREB Introduction to Automated Materials Joining
13303G1005	Industrial Maintenance Mechanical II	13104G1003	SREB Mechatronic Systems for Advanced Production
13303G1006	Industrial Maintenance Mechanical III	13104G1014	SREB Projects in Automated Materials Joining
21106G1023	Intermediate Drafting Design	13104G1002	SREB Systems of Advanced Technology
13204G1004	Intermediate Lathe and Bench Work	17109G1000	Telecommunications Cabling
13998G1050	Internship in Manufacturing	21107G1012	Three-Dimensional Solid Modeling I
21106G1013	Introduction to Drafting Design	21107G1022	Three-Dimensional Solid Modeling II
	Introduction to Engineering Design		

	Shared Courses						
Course Number	('ourse Name ('luster(s)						
17049G1000	Safety and Health Regulations	Architecture and Construction	2022-2023				
	Health Science						
		Transportation, Distribution and Logistics					

General Note: Course descriptions and content standards for most courses are located on the Alabama Department of Education website at: <u>Alabama Achieves | Career and Technical Education | Courses of Study</u>.

College and Career Readiness Indicator Course Matrix

Program Name	Additive Manufacturing	Electronics	Industrial Maintenance Electrical & Instrumentation	Industrial Maintenance Mechanical	Modern Manufacturing	Modern Manufacturing Center of Excellence
Foundation Course(s)	Introduction to Manufacturing	Introduction to Manufacturing	Introduction to Manufacturing	Introduction to Manufacturing	Introduction to Manufacturing	Basics of Manufacturing I: Center of Excellence – Required Foundation Course
Concentrator Course(s)	Advanced Drafting DesignEngineering DesignApplicationsIntermediate DraftingDesignIntroduction to DraftingDesignIntroduction to EngineeringDesignSafety and HealthRegulationsThree-Dimensional SolidModeling IThree-Dimensional SolidModeling II	Alternating Current Digital Electronics Direct Current Electronics and Control Systems Embedded Arduino Controls Introduction to Robotics Robotics Applications Safety and Health Regulations Semiconductors Telecommunications Cabling	Industrial Maintenance Electrical & Instrumentation I Industrial Maintenance Electrical & Instrumentation II Industrial Maintenance Electrical & Instrumentation III Safety and Health Regulations	Industrial Maintenance Mechanical I Industrial Maintenance Mechanical II Industrial Maintenance Mechanical III Safety and Health Regulations	Manufacturing I: Safety Manufacturing II: Quality Manufacturing III: Production Manufacturing IV: Maintenance Safety and Health Regulations	Basics of Manufacturing II: Center of Excellence Basics of Manufacturing III: Center of Excellence Safety and Health Regulations
Capstone Course(s)	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing	Career Pathway Project in Manufacturing CTE Lab in Manufacturing Internship in Manufacturing

Program Name	Precision Machining	Robotics and Automated Manufacturing	SREB AC Automated Materials Joining Technology	SREB AC Energy and Power	SREB AC Integrated Production Technologies
Foundation Course(s)	Introduction to Manufacturing	Introduction to Manufacturing			
Concentrator Course(s)	Computer-Aided Design and Computer-Aided Manufacturing IComputer-Aided Design and Computer-Aided Manufacturing IIComputer-Aided Manufacturing IIComputer Numerical Control (CNC) IComputer Numerical Control (CNC) IICoordinate Measuring MachineDrill PressIntermediate Lathe and Bench WorkIntroduction to LatheIntroduction to Precision MachiningMilling and Surface Grinder IMilling and Surface Grinder IISafety and Health Regulations	Computer Integrated Automation Computer Integrated Design Computer Integrated Production Electronics and Control Systems Introduction to Robotics Robotics Application Robotics and Automation Safety and Health Regulations	Safety and Health Regulations SREB Advanced Concepts in Materials Joining SREB Applications in Automated Materials Joining SREB Introduction to Automated Materials Joining SREB Projects in Automated Materials Joining	Safety and Health Regulations SREB Clean Energy Application SREB Clean Energy Innovation SREB Clean Energy Strategies SREB Clean Energy Systems	Safety and Health Regulations SREB Advanced Technology for Design and Production SREB Design for the Production of Advanced Products SREB Mechatronic Systems for Advanced Production SREB Systems of Advanced Technology
Capstone Course(s)	Career Pathway Project in Manufacturing	Career Pathway Project in Manufacturing	Career Pathway Project in Manufacturing	Career Pathway Project in Manufacturing	Career Pathway Project in Manufacturing
	CTE Lab in Manufacturing Internship in Manufacturing	CTE Lab in Manufacturing Internship in Manufacturing	CTE Lab in Manufacturing	CTE Lab in Manufacturing	CTE Lab in Manufacturing

To meet the CCR Indicator as a CTE completer, a student must earn three (3.0) credits with the grade of a "C" or higher in CTE courses that are part of an approved CTE program of study. Additional requirements are outlined in <u>Memorandum FY22-2065</u>.

This matrix is intended for general guidance on the CCR completer status and is subject to change. For all CTE programming information, please refer to the CTE Cluster specific Program Guide. It contains a list of approved CTE programs, valid course numbers, approved Career Readiness Indicators (CRIs), and in demand occupations.

*Courses are listed in alphabetical order, not in sequential order.