
2026 – 2027

PROGRAM GUIDE

SUPPLY CHAIN AND TRANSPORTATION CLUSTER



**Alabama
Achieves**

ALABAMA STATE DEPARTMENT *of* EDUCATION

ALABAMA STATE DEPARTMENT OF EDUCATION
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The Transportation, Distribution, and Logistics cluster includes specialty areas in automotive technology, aviation technology, collision repair, diesel technology, flight technology, and logistics. The curriculum is based on recognized industry and professional standards found in national organizations and federal regulations.

****Courses highlighted in yellow are shared with other clusters. See “Shared Courses” table on page 4 for additional details.**

Career Pathway Program	Automotive Technology Program (Must teach three courses from this program list within two years)		
	The Automotive Technology Program is designed to equip students with basic knowledge and skills regarding safety, engine repair, automatic transmissions, and manual drive trains. A major focus of this course is system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems.		
Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI)	In Demand Occupations
20104G1011	*Automotive Technology Foundations – Required prerequisite course	• Alabama Certified Employee (ACE) • ASE ADAS Certification • ASE Entry-Level – Automobile – Automatic Transmission and Transaxle • ASE Entry-Level – Automobile – Automotive Service Technology • ASE Entry-Level – Automobile – Brakes • ASE Entry-Level – Automobile – Electrical/Electronic Systems • ASE Entry-Level – Automobile – Engine Performance • ASE Entry-Level – Automobile – Engine Repair • ASE Entry-Level – Automobile – Heating and Air Conditioning • ASE Entry-Level – Automobile – Maintenance and Light Repair • ASE Entry-Level – Automobile – Manual Drive Train and Axles • ASE Entry-Level – Automobile – Suspension and Steering • Hunter Engineering ADAS Certification • Hunter Engineering Alignment Level I Certification • Hunter Engineering Alignment Level II Certification • Hunter Engineering Alignment Level III Certification • Hunter Engineering Rolling Smooth Certification • Skills for Success – Forklift Operator • Skills for Success – Mastering the Customer Experience	• Automotive Service Attendants • Automotive Service Technicians and Mechanics • Billing and Posting Clerks • Cleaners of Vehicles and Equipment • Tire Repairers and Changers
20104G1012	Automotive Brake, Suspension, and Steering Repair I		
20104G1015	Automotive Brake, Suspension, and Steering Repair II		
20104G1013	Automotive Electrical Components I		
20104G1016	Automotive Electrical Components II		
20104G1014	Automotive Engine Repair and Performance I		
20104G1017	Automotive Engine Repair and Performance II		
20997G1003	Career Pathway Project in Transportation, Distribution and Logistics		
20997G1001	CTE Lab in Transportation, Distribution and Logistics		
17049G1000	Safety and Health Regulations		
20998G1050	Internship in Transportation, Distribution and Logistics		
*NOTE: Automotive Technology Foundations may be taken concurrently with one of the following courses: Automotive Brake, Suspension, and Steering Repair I; Automotive Electrical Components I; or Automotive Engine Repair and Performance I.			

Career Pathway Program	Aviation Technology Program (Must teach three courses from this program list within two years) The Aviation Technology Program is designed to prepare students to continue their education in aviation technology at the college level. Students learn various skills including avionics, sheet metal, engine theory and much more.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20113G1001	Aircraft Theory of Flight and Operations – Required corequisite course	- Alabama Certified Employee (ACE) - FAA Part 107 - NC3 FESTO – Applied Fluid Power - NC3 FESTO – Applied Mechanical Systems - NC3 FESTO – Applied Robotics - NC3 FESTO – Fundamentals of Fluid Power- Hydraulics/Pneumatics - NC3 FESTO – Fundamentals of Industrial Wiring Systems - NC3 FESTO – Fundamentals of Mechanical Systems - NC3 FESTO – Fundamentals of Robotics - Skills for Success – Drone Operator - Skills for Success – Forklift Operator - Skills for Success – Mastering the Customer Experience - Aircraft Mechanics and Service Technicians - Avionics Technicians - Billing and Posting Clerks
	20114G1001	Airframe Systems – Required corequisite course	
	20113G1014	Aircraft Electrical Components	
	20113G1011	Aircraft Engine & Propeller Theory	
	20113G1013	Aircraft Instruments and Avionics	
	20114G1002	Aircraft Non-Metallic Structures	
	20114G1003	Aircraft Sheet Metal Structures	
	20113G1012	Aircraft Turbine Engine	
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20053G1001	Drone Technology	
	17049G1000	Safety and Health Regulations	
	20998G1050	Internship in Transportation, Distribution and Logistics	

Career Pathway Program	Collision Repair Program (Must teach three courses from this program list within two years) The Collision Repair Program is divided into two divisions, collision repair and refinishing. This program is designed to train students to successfully repair accidental damage and to refinish vehicles. Emphasis is placed on safety, plasma arc cutting and oxyacetylene cutting, resistance type spot welding, and metal inert gas (MIG) welding.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	- Alabama Certified Employee (ACE) - ASE Entry-Level – Collision – Mechanical and Electrical Components - ASE Entry-Level – Collision – Non-structural Analysis and Damage Repair - ASE Entry-Level – Collision – Painting and Refinishing - ASE Entry-Level – Collision – Structural Analysis and Damage Repair - Hunter Engineering ADAS Certification - Hunter Engineering Alignment Level I Certification - Hunter Engineering Alignment Level II Certification - Hunter Engineering Alignment Level III Certification - Hunter Engineering Rolling Smooth Certification - ICAR Academy – Aluminum and Steel Small Dent Removal - ICAR Academy – Disassembly and Reassembly - ICAR Academy – Fundamentals of Collision Repair - ICAR Academy – Plastic Repair - ICAR Academy – Refinishing - Skills for Success – Customer Service Technician - Skills for Success – Forklift Operator - Skills for Success – Mastering the Customer Experience - Automotive Body and Related Repairers - Automotive Service Attendants - Billing and Posting Clerks - Tire Repairers and Changers
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20116G1037	Damage Analysis, Estimating and Customer Service	
	20105G1012	Mechanical and Electrical Components I	
	20105G1022	Mechanical and Electrical Components II	
	20116G1035	Nonstructural Analysis and Damage Repair	
	20116G1036	Nonstructural Welding, Cutting, and Joining	
	20116G1013	Painting and Refinishing I	
	20116G1023	Painting and Refinishing II	
	17049G1000	Safety and Health Regulations	
	20117G1003	Structural Analysis and Damage Repair	
	20998G1050	Internship in Transportation, Distribution and Logistics	

Career Pathway Program	Diesel Technology Program (Must teach three courses from this program list within two years) The Diesel Technology Program is designed for students to gain knowledge and experience related to servicing heavy equipment and medium/heavy duty trucks. Emphasis is placed on diesel engines, electrical, HVAC, hydraulics and preventative maintenance and light repair. All programs are ASE Education Foundation accredited and students are eligible to receive ASE credentials.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	- Alabama Certified Employee (ACE) - ASE Entry-Level – Medium/Heavy Truck – Brakes - ASE Entry-Level – Medium/Heavy Truck – Diesel Engines - ASE Entry-Level – Medium/Heavy Truck – Electrical/Electronic Systems - ASE Entry-Level – Medium/Heavy Truck – Inspection, Maintenance and Minor Repair - ASE Entry-Level – Medium/Heavy Truck – Suspension and Steering - NCCER Heavy Equipment Operations Simulation Based Credential - Skills for Success – CDL Class A - Skills for Success – CDL Class B - Skills for Success – Forklift Operator
	20051G1001	Commercial Transportation	
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20107G1025	Diesel Technology A	
	20107G1026	Diesel Technology B	
	20107G1027	Diesel Technology C	
	20107G1028	Diesel Technology D	
	17049G1000	Safety and Health Regulations	
	20998G1050	Internship in Transportation, Distribution and Logistics	
			- Automotive Service Attendants - Billing and Posting Clerks - Bus and Truck Mechanics and Diesel Engine Specialist - Bus Drivers, Transit and Intercity - Heavy and Tractor-Trailer Truck Drivers - Industrial Truck and Tractor Operators - Light Truck Drivers - Mobile Heavy Equipment Mechanics, Except Engines - Shuttle Drivers and Chauffeur

Career Pathway Program	Flight Technology Program (Must teach three courses from this program list within two years) The Flight Technology Program is designed to prepare students with knowledge related to flight operations from preflight to post-flight procedures. This program will include reading and interpreting up-to-date weather reports, record flight paths, support flight operations, and perform calculations for fuel usage.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20113G1001	Aircraft Theory of Flight and Operations – Required corequisite course	- Alabama Certified Employee (ACE) - FAA Part 107 - FAA Private Pilot Airplane (PAR) Knowledge Test - FAA Private Pilot Practical Test (Checkride) - Skills for Success – Drone Operator
	20114G1001	Airframe Systems – Required corequisite course	
	20113G1013	Aircraft Instruments and Avionics	
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	
	20051G1001	Commercial Transportation	
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20053G1001	Drone Technology	
	20053G1012	Flight Communications	
	20053G1011	Flight Navigation	
	20053G1013	Flight Operation	
	17049G1000	Safety and Health Regulations	
	20998G1050	Internship in Transportation, Distribution and Logistics	
			- Commercial Pilots - Dispatchers, Except Police, Fire, and Ambulance

Career Pathway Program	Logistics Program (Must teach three courses from this program list within two years) The Logistics Program is designed to prepare students to equip students with knowledge and skills regarding the process of managing the flow of goods through the supply chain from the point of origin to the destination. Standards are written for students to investigate trends in green logistics, various aspects of international environmental laws and requirements, e-commerce applications, and innovative technologies in logistics.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	- Alabama Certified Employee (ACE) - FAA Part 107 - MSSC Certified Logistics Associate - MSSC Certified Logistics Technician - Skills for Success – CDL Class A - Skills for Success – CDL Class B - Skills for Success – Drone Operator - Skills for Success – Forklift Operator - Couriers & Messengers - Dispatchers, Except Police, Fire, and Ambulance - First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors - Laborers & Freight, Stock, and Material Movers, Hand - Logisticians - Packers & Packagers, Hand - Transportation, Storage, and Distribution Managers
	20051G1001	Commercial Transportation	
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20053G1001	Drone Technology	
	20152G1001	Foundations of Warehousing and Distribution	
	20152G1003	Global Logistics and Supply Chain Management	
	20152G1002	Industry Specific Logistics Processes	
	20001G1010	Introduction to Logistics	
	17049G1000	Safety and Health Regulations	
	20998G1050	Internship in Transportation, Distribution and Logistics	

Career Pathway Program	SREB AC Global Logistics and Supply Chain Management Program (Must teach three courses from this program list within two years) Global logistics and supply chain management connects internal functions of an organization with other institutions around the globe. It is vital to understand the roles of logistics and supply chain management in a global economy where individuals and organizations have access to markets across the world. This field requires critical thinking and problem-solving skills to coordinate the movement of goods and services that may be separated by a few feet or thousands of miles. In an industry always striving for optimization, decision-making skills are paramount.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	- MSSC Certified Logistics Associate - MSSC Certified Logistics Technician - Couriers & Messengers - Dispatchers, Except Police, Fire, and Ambulance - First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors - Laborers & Freight, Stock, and Material Movers, Hand - Logisticians - Packers & Packagers, Hand - Transportation, Storage, and Distribution Managers
	20997G1001	CTE Lab in Transportation, Distribution and Logistics	
	20199G1001	SREB Functional Areas in Logistics	
	20199G1002	SREB Global Logistics Management	
	20001G1002	SREB Introduction to Logistics	
	20199G1003	SREB Logistics and Supply Chain Management	
	17049G1000	Safety and Health Regulations	
	20998G1050	Internship in Transportation, Distribution and Logistics	
	*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.		

Career Pathway Program	*SREB AC Aerospace Engineering Program (Must teach three courses from this program list within two years.) Schools are challenged to better prepare students for a wide array of postsecondary options. The workforce of today and tomorrow demands a higher level of skill — people who grasp complex problems, understand technology and troubleshoot problems. Advanced Career (AC) answers both of these needs. By fusing a rigorous academic core with challenging project work and advanced technology in a career pathway program of study, AC courses give students a greater depth of knowledge and skills and prepare them for more options after high school.		
	Course Number	Career Pathway Program Courses	Career Readiness Indicator (CRI) In Demand Occupations
	21013G1016	Advanced Aerospace Technology – SREB AC	- Autodesk AutoCAD Certified User - Autodesk Fusion Certified User - Autodesk Inventor Certified User - Autodesk Revit Certified User - Certified OnShape Professional - Certiport Information Technology Specialist (ITS) – HTML & CSS - Certiport Information Technology Specialist (ITS) – Java - Certiport Information Technology Specialist (ITS) – JavaScript - Certiport Information Technology Specialist (ITS) – Python - Certiport Information Technology Specialist (ITS) – Software Development - Electronic Systems Associate – ESA 1 Direct Current - Electronic Systems Associate – ESA 2 Alternating Current - Electronic Systems Associate – ESA 3 Semiconductor Devices and Circuits - Electronic Systems Associate – ESA 4 Digital Devices and Circuits - FAA Part 107 - FANUC CERT – Handling Tool Operations and Programming - Microsoft Office – Access Expert 2019/O365 - Microsoft Office – Excel Expert 2019/O365 - NC3 Tormach CNC Fundamentals - Oracle Certified Associate (OCA) – Java Programmer - Solid Edge Certified Associate Level 1 - SolidWorks CAD Design Associate - Skills for Success – Drone Operator
	21013G1001	Aeronautics Engineering Applications – SREB AC	
	21013G1002	Astronautics Engineering Applications – SREB AC	
	21047G1001	Career Pathway Project in STEM	
	21997G1000	CTE Lab in STEM	
	21013G1015	Fundamentals of Aerospace Technology – SREB AC	
	21998G1050	Internship in STEM	
			- Aerospace Engineer/Tech - Aesthetics Specialist - Architectural Engineer/Tech - Civil Engineer/Tech - Control Systems Engineer/Tech - Electrical Engineer/Tech - Engineer/Technician all Disciplines - Environmental Scientist/Specialist - Ergonomics Specialist - Industrial Engineer/Tech - Manufacturing Engineer/Tech - Materials Engineer/Tech - Mechanical Engineer/Tech/Mgr. - Petroleum Engineer/Tech - Robotics Engineer/Tech
*NOTE: LEAs must contact SREB for additional information prior to utilizing any of the course codes listed above with a SREB suffix, as it does require commitment to the conditions in a MOU and participation in mandatory training provided by the provider.			

2026-2027 Subject and Personnel Codes**Supply Chain and Transportation Cluster**

Transportation, Distribution, and Logistics Cluster Courses			
Course Number	Course Name	Course Number	Course Name
20113G1014	Aircraft Electrical Components	20107G1028	Diesel Technology D
20113G1011	Aircraft Engine & Propeller Theory	20053G1001	Drone Technology
20113G1013	Aircraft Instruments and Avionics	20053G1012	Flight Communications
20114G1002	Aircraft Non-Metallic Structures	20053G1011	Flight Navigation
20114G1003	Aircraft Sheet Metal Structures	20053G1013	Flight Operation
20113G1001	Aircraft Theory of Flight and Operations – Required corequisite course	20152G1001	Foundations of Warehousing and Distribution
20113G1012	Aircraft Turbine Engine	20152G1003	Global Logistics and Supply Chain Management
20114G1001	Airframe Systems – Required corequisite course	20152G1002	Industry Specific Logistics Processes
20104G1012	Automotive Brake, Suspension, and Steering Repair I	20001G1010	Introduction to Logistics
20104G1013	Automotive Electrical Components I	20105G1012	Mechanical and Electrical Components I
20104G1014	Automotive Engine Repair and Performance I	20105G1022	Mechanical and Electrical Components II
20104G1015	Automotive Brake, Suspension, and Steering Repair II	20116G1035	Nonstructural Analysis and Damage Repair
20104G1016	Automotive Electrical Components II	20116G1036	Non-structural Welding, Cutting, and Joining
20104G1017	Automotive Engine Repair and Performance II	20116G1013	Painting and Refinishing I
20104G1011	Automotive Technology Foundations – Required prerequisite course	20116G1023	Painting and Refinishing II
20997G1003	Career Pathway Project in Transportation, Distribution and Logistics	17049G1000	Safety and Health Regulations
20051G1001	Commercial Transportation	20199G1001	SREB Functional Areas in Logistics
20997G1001	CTE Lab in Transportation, Distribution and Logistics	20199G1002	SREB Global Logistics Management
20116G1037	Damage Analysis, Estimating and Customer Service	20001G1002	SREB Introduction to Logistics
20107G1025	Diesel Technology A	20199G1003	SREB Logistics and Supply Chain Management
20107G1026	Diesel Technology B	20117G1003	Structural Analysis and Damage Repair
20107G1027	Diesel Technology C	20998G1050	Internship in Transportation, Distribution and Logistics

Shared Courses			
Course Number	Course Name	Cluster(s)	Required Year to Implement COS
17049G1000	Safety and Health Regulations	Architecture and Construction Health Science Manufacturing	2022-2023

General Note: Course descriptions and content standards for most courses are located on the Alabama Department of Education website at: [Alabama Achieves | Career and Technical Education | Courses of Study](#).

College and Career Readiness Indicator Course Matrix

Program Name	Automotive Technology	Aviation Technology	Collision Repair	Diesel Technology
Foundation Course(s)	Automotive Technology Foundation – Required corequisite course	Aircraft Theory of Flight and Operations – Required corequisite course Airframe Systems – Required corequisite course	Non-structural Analysis and Damage Repair	Diesel Technology A
Concentrator Course(s)	Automotive Brake, Suspension, and Steering Repair I Automotive Electrical Components I Automotive Engine Repair and Components I Automotive Brake, Suspension, and Steering Repair II Automotive Electrical Components II Automotive Engine Repair and Components II Safety and Health Regulations	Aircraft Electrical Components Aircraft Engine & Propeller Theory Aircraft Instruments and Avionics Aircraft Non-Metallic Structures Aircraft Sheet Metal Structures Aircraft Turbine Engine Drone Technology Safety and Health Regulations	Damage Analysis, Estimating and Customer Service Mechanical and Electrical Components in Collision I Mechanical and Electrical Components in Collision II Nonstructural Welding, Cutting, and Joining Painting and Refinishing I Painting and Refinishing II Safety and Health Regulations Structural Analysis and Damage Repair	Commercial Transportation Diesel Technology B Diesel Technology C Diesel Technology D Safety and Health Regulations
Capstone Course(s)	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics

Program Name	Flight Technology	Logistics	SREB AC Global Logistics and Supply Chain Management Program
Foundation Course(s)	Aircraft Theory of Flight and Operations – Required corequisite course Airframe Systems – Required corequisite course	Introduction to Logistics	
Concentrator Course(s)	Aircraft Instruments and Avionics Commercial Transportation Drone Technology Flight Communications Flight Navigation Flight Operations Safety and Health Regulations	Commercial Transportation Drone Technology Foundations of Warehousing Global Logistics and Supply Chain Management Industry Specific Logistics Processes Safety and Health Regulations	Safety and Health Regulations SREB Functional Areas in Logistics SREB Global Logistics Management SREB Introduction to Logistics SREB Logistics and Supply Chain Management
Capstone Course(s)	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics	Career Pathway Project in Transportation, Distribution and Logistics CTE Lab in Transportation, Distribution and Logistics Internship in Transportation, Distribution and Logistics

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 [FY25-2048 Updates on Career and Technical Education Completer Status](#).

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, required prerequisite courses, approved Career Readiness Indicators (CRIs) and in demand occupations.

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