

Career, Technical & Agricultural Education (CTAE) 2018-2019



CAREER CLUSTERS CTAE HIGH SCHOOL CAREER PATHWAYS

DOL - TOP 25: Georgia's HOT Careers to 2026
General Career Area / Based on Projected Annual Openings

CAREER TECHNICAL STUDENT ORGANIZATION (CTSO)

A LOOK AT CTAE PATHWAYS

CTAE COURSES

HIGH SCHOOLS WHERE CTAE COURSES ARE OFFERED

Cluster	CTSO	Pathway Description	CTAE Courses	High Schools
17	FAA	Plant & Landscape Systems Pathway The pathway introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. This pathway is designed to provide students with the basic skills and knowledge utilized by the green industry in nursery production and management and landscape design and management.	<ul style="list-style-type: none"> 02.47100 - Basic Agriculture Science 01.46100 - General Horticulture and Plant Science 01.47000 - Nursery & Landscape 	Riverdale High School
17	SkillsUSA	Carpentry Pathway In this pathway, students are instructed in all areas of safety including ladders, scaffolding, trenching and the use of safety harnesses. Students are introduced to the State of Georgia Building Codes and knowledge needed to lay rafters, stairs and walls, and how to properly frame doors and windows. This pathway culminates with an opportunity for students in an NCCER Industry Certified program to earn credentials or take the SkillsUSA Work Force Ready exam in Carpentry.	<ul style="list-style-type: none"> 46.54500 - Industry Fundamentals & Occupational Safety 46.54600 - Introduction to Construction 46.55000 - Carpentry 	Jonesboro High School Lovejoy High School Mt. Zion High School
Connects With Various Industries	FAA	Audio-Video Technology and Film Pathway In this pathway, individuals may design, manufacture, operate and/or repair audiovisual equipment. Students will be involved in the presentation of sound, video and data in a variety of venues. Students may gather information and prepare broadcasts or be involved in the set up and operations of equipment used to record and transmit programs and/or motion pictures. Students may provide sound mixing and/or video editing services. This pathway culminates with an opportunity for students to take the SkillsUSA Television Video Production end of pathway assessment.	<ul style="list-style-type: none"> 10.51810 - Audio-Video Technology and Film I 10.51910 - Audio-Video Technology and Film II 10.52010 - Audio-Video Technology and Film III 	Mundy's Mill High School Film & Media Magnet Program Mt. Zion High School North Clayton High School Perry Center
Connects With Various Industries	SkillsUSA	Animation & Digital Design Pathway This course will serve as the foundational course in the Audio & Video Technology & Film pathway. This pathway prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Students completing the pathway will be taught principles of 2D and 3D animation, advanced concepts of animation and basics in game and app design.	<ul style="list-style-type: none"> 48.21000 - Introduction to Digital Media 48.22000 - Principles and Concepts of Animation 48.23000 - Advanced Animation, Game and APP Design 48.24000 - Animation Internship/Capstone 	Elite Scholars Charles Drew High School Forest Park High School Lovejoy High School Jonesboro High School Morrow High School Mt. Zion High School Mundy's Mill High School North Clayton High School Riverdale High School
1, 7, 8, 18, 21	FBA	Business Management and Administration In this pathway, students focus on planning, organizing, coordinating and controlling the resources needed to produce and provide a business' goods and/or services that lead to owning and operating a small business. Students have the opportunity to take the Fundamental Business Concepts or Entrepreneurship and Management Exam as the end of pathway assessment.	<ul style="list-style-type: none"> 07.44130 - Introduction to Business and Technology 07.44100 - Business and Technology 07.45100 - Business Communications 	Forest Park High School Lovejoy High School Morrow High School Mt. Zion High School Mundy's Mill High School North Clayton High School Riverdale High School
4, 10, 12, 20	FCCLA	Entrepreneurship Pathway This pathway begins with an overview of business and technology skills, as well as business law, required for today's business environment. Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this pathway as they will either be the business owner or individuals working in a competitive job market in the future.	<ul style="list-style-type: none"> 07.44130 - Introduction to Business and Technology 06.41500 - Legal Environment of Business 06.41610 - Entrepreneurship 	Riverdale High School
4, 10, 12, 20	FCCLA	Early Childhood Care and Education I Pathway In this pathway, students learn appropriate practices for working with young children, as they grow physically, cognitively, and emotionally. Course focus includes planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services. This pathway culminates with an opportunity for students to take the MAVCC, AAFCS, NOCTI end of pathway assessment or to take the CDA Council end of pathway assessment and to potentially earn a Child Development Associate certificate.	<ul style="list-style-type: none"> 20.52810 - Early Childhood Care Education I 20.42400 - Early Childhood Education II 20.42500 - Early Childhood Education III 	Perry Center
4, 15, 16	FBA	Teaching as a Profession This pathway prepares students for future positions in the field of education. Teaching as a Profession students study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards. The final course offers a field experience under the direct supervision of a certified teacher (mentor teacher). The student intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior.	<ul style="list-style-type: none"> 13.01100 - Examining the Teaching Profession 13.01200 - Contemporary Issues in Education 13.01300 - Teaching as a Profession 	Lovejoy High School Riverdale High School
4, 15, 16	FBA	Advanced Accounting Pathway In this pathway, students learn to record, classify, summarize, analyze, and communicate a business' financial information/business transactions. Activities include bookkeeping, systems design, and interpretation of information. Upon completion, students have an opportunity to take the QuickBooks Certification or Business Financial Management as the end of pathway assessment.	<ul style="list-style-type: none"> 07.44130 - Introduction to Business & Technology 07.41100 - Principles of Accounting I 07.41200 - Principles of Accounting II 	Forest Park High School Lovejoy High School Perry Center
4, 15, 16	FBA	Financial Services Pathway In this pathway, students gain an understanding of financial instruments, capital planning, funds acquisition, asset & debt management, budgeting, financial analysis, and investments & portfolio management. Explore the financial world as students dive into the main areas of financial services, including banking, investing, and insurance.	<ul style="list-style-type: none"> 07.44130 - Introduction to Business and Technology 07.42600 - Financial Literacy 07.43100 - Banking, Insurance, and Investing 	Charles Drew High School
Connects With Various Industries	AFJROTC	Air Force Junior Reserve Officers Training Corps (AFJROTC) Pathway In this pathway, the Air Force Junior ROTC curriculum is designed to provide students with the knowledge and skills necessary to develop citizens of character dedicated to serving their community and nation. Program prepares high school cadets for leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. *ONLY ROTC courses can be taken out of sequence, ROTC counts for pathway completion - however there is no EOPA administered for AFJROTC. Students can take the ASVAB. The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. It is administered annually to more than one million military applicants, high school, and post-secondary students.	<ul style="list-style-type: none"> 28.01100 - Aerospace Science Leadership 100 (PS-AFAH) 28.01200 - Aerospace Science Leadership 200 (PS-AFSF) 28.01300 - Aerospace Science: Cultural Studies 28.01400 - Aerospace Science: Leadership 300 28.01500 - Aerospace Science: Space Exploration 28.01600 - Aerospace Science: Leadership 400 28.01700 - Aerospace Science: Aviation History 28.01800 - Aerospace Science: Survival 28.01900 - Aerospace Science: Honors Ground School 28.01910 - Aerospace Science: Flight Science 28.01920 - Aerospace Science: Corps Management 28.01930 - Aerospace Science: Drill Only 28.01940 - Aerospace Science: Senior Project 	All High Schools
Connects With Various Industries	AFJROTC	Emergency Medical Responder The Emergency Medical Responder (EMR) course prepares the student to provide initial stabilizing care to the sick or injured prior to the arrival of Emergency Medical Services Professionals (EMSP), and to assist EMS personnel in transporting patients for definitive care at an appropriate hospital/facility. Major areas of instruction include Introductory Medical Terminology and Anatomy & Physiology, Responder Safety, Incident Command, Blood-borne Pathogen Training, Basic Physical Assessment, and Treatment of Trauma and Medical Emergencies: Cardiorespiratory Resuscitation and the use of Automatic External Defibrillators (AEDs). The course is a blend of lecture, hands on lab/learning and practical scenario-based learning/testing. The course will include Healthcare Provider CPR/AED Certification from a Nationally-Recognized Body (American Heart Association or Red Cross, etc.). If this course is also approved by the Georgia State Office of Emergency Medical Services and Trauma (SOEMST), successful completion will allow the student to be eligible to take the National Registry of Emergency Medical Technicians (NREMT) Emergency Medical Responder (EMR) certification.	<ul style="list-style-type: none"> 25.52100 - Introduction to Healthcare Science 25.44000 - Essentials of Healthcare 25.45000 - Emergency Medical Responder 	Jonesboro High School
3	hosa	Health Informatics/Health Information Management/Medical Office Pathway In this pathway, students learn how to work directly with patients and are exposed to areas such as providing care, treatment, counseling and health education information. This is followed by anatomy and physiology a vital part in most healthcare post-secondary education programs. The completion of this pathway includes introducing students to skills and knowledge utilized in a medical office, the structure of healthcare in the United States, healthcare providers, and the structure and function of professional organizations.	<ul style="list-style-type: none"> 25.52100 - Introduction to Healthcare Science 25.44000 - Essentials of Healthcare 25.49700 - Health Information Management/Medical Office 	Charles Drew High School Forest Park High School Jonesboro High School Mt. Zion High School
3	hosa	Therapeutic Services/Allied Health and Medicine In this pathway, the concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Students become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities.	<ul style="list-style-type: none"> 25.52100 - Introduction to Healthcare Science 25.44000 - Essentials of Healthcare 25.43600 - Patient Care Fundamentals 	Lovejoy High School
3	hosa	Therapeutic Services/Patient Care Pathway In this pathway, students learn how to work directly with patients and are exposed to areas such as providing care, treatment, counseling and health education information. This is followed by anatomy and physiology a vital part in most healthcare post-secondary education programs and developing skills associated with an entry level position as a Nursing Assistant. Credentialing exam: National Healthcare Foundation Skills Assessment, Certification.	<ul style="list-style-type: none"> 25.52100 - Introduction to Healthcare Science 25.44000 - Essentials of Healthcare 25.45300 - Pharmacy Operations and Fundamentals 	Morrow High School Science, Technology & Mathematics Magnet Program
3	hosa	Therapeutic Services/Pharmacy This pathway is an introduction to pharmacy technology professions, employment opportunities, and basic pre-pharmacy technician skills which may be utilized in either clinical or community settings such as retail, home health care, and ambulatory care pharmacies. Intensive pharmacy specific safety and security training are provided including potential drug addiction and abuse issues relative to pharmaceutical care such as robberies and identification of forgeries.	<ul style="list-style-type: none"> 25.44500 - Non-Invasive Diagnostic Technology 25.57400 - Diagnostic Phlebotomy 25.45000 - Emergency Medical Responder 	<ul style="list-style-type: none"> *Diagnostic/Non-Invasive Diagnostic Technology in Healthcare Pathway *Diagnostic Phlebotomy *Diagnostic Phlebotomy Pathway *Therapeutic Services/Emergency Medical Responder Pathway
Connects With Various Industries	FCCLA	Culinary Arts Pathway In this pathway, students have the opportunity to learn a variety of skills to work in the restaurant and food industry from knife skills, cooking techniques, menu planning, food purchasing and costing, food safety and sanitation to garde manger. This pathway culminates with an opportunity for students to take the MAVCC Culinary end of pathway assessment or the NOCTI American Culinary Federation end of pathway assessment and to potentially earn a junior culinary certificate.	<ul style="list-style-type: none"> 20.53100 - Introduction to Culinary Arts 20.53210 - Culinary Arts I 20.53310 - Culinary Arts II 	Charles Drew High School
Connects With Various Industries	FCCLA	Sports and Entertainment Marketing Pathway This pathway begins with basic marketing principles which addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. The final course in this pathway provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topics include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning.	<ul style="list-style-type: none"> 08.47400 - Marketing Principals 08.47800 - Introduction to Sports and Entertainment Marketing 08.48500 - Advanced Sports and Entertainment Marketing 	Mundy's Mill High School
Connects With Various Industries	SkillsUSA	Barbering Pathway In this pathway, students are introduced to both fundamental theory and practices of the personal care professions including nail technicians, estheticians, barbers and cosmetologists. Clinical activities are included in this pathway and involve individualized and precise designing, cutting, and shaping of the hair, as well as, analysis and performance of professional services such as haircutting and styling, mustache and beard design, facials, shaves and scalp treatments. Students will earn credit hours toward the completion of the 1500 credit hours required by Georgia State Board of Barbers.	<ul style="list-style-type: none"> 12.54400 - Introduction to Personal Care 12.42000 - Barbering I 12.42100 - Barbering II 	Jonesboro High School Riverdale High School Forest Park High School North Clayton High School Riverdale High School
Connects With Various Industries	SkillsUSA	Cosmetology Pathway In this pathway, students will learn skills to become nail technicians, estheticians, barbers and cosmetologists. Completion of this pathway culminates with an opportunity for students to take the Skills Connect end of pathway assessment.	<ul style="list-style-type: none"> 12.54400 - Introduction to Personal Care 12.41000 - Cosmetology Services I 12.41100 - Cosmetology Services II 12.41200 - Cosmetology Services III 	Mt. Zion High School
14, 23, 25	FBA	Food and Nutrition Pathway In this pathway, students discuss the basic chemistry concepts of food science and evaluate the effects of processing, preparation, and storage of the quality, safety, wholesomeness and nutritive value of foods. Upon completion, students can take the AAFCS Nutrition end of pathway assessment or the National Restaurant Association's end of pathway assessment and to potentially earn a ServSafe certificate.	<ul style="list-style-type: none"> 20.41610 - Foods, Nutrition and Wellness 20.41400 - Food for Life 20.41500 - Food Science 	Mt. Zion High School
14, 23, 25	FBA	Computer Science Pathway How can computing change the world? Engage your creativity, demonstrate and build your problem solving ability all while connecting the relevance of computer science to the society! This pathway is intellectually rich and engaging and is focused on building a solid understanding and foundation in computer science. Courses emphasize the content, practices, thinking and skills central to the discipline of computer science. This pathway aims to appeal to a broad audience. The focus will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.	<ul style="list-style-type: none"> 11.41500 - Introduction to Digital Technology 11.47100 - Computer Science Principles AP Computer Science (Contact College Board for standards) 	Lovejoy High School Mathematics & Computer Science Magnet Program
14, 23, 25	FBA	Programming Pathway In this pathway, students begin to build linkages in Digital Technology occupations. Students gain exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks. All are taught in a computer lab with hands-on activities and project focused tasks. High school students will learn to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world.	<ul style="list-style-type: none"> 11.41500 - Introduction to Digital Technology 11.47100 - Computer Science Principles 11.47200 - Programming, Apps, Games, and Society 	Forest Park High School Mundy's Mill High School
14, 23, 25	FBA	Web and Digital Design Pathway In this pathway, students are exposed to the process of creating, designing and producing interactive multimedia products and services, including development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications, and marketing. This will equip students with the ability to plan, design, and create a web site. Students will move past learning how to write code and progress to designing a professional looking web site using graphical authoring tools that contains multimedia elements.	<ul style="list-style-type: none"> 11.42900 - Game Design: Animation and Simulation 11.42700 - Embedded Computing 11.47200 - Programming, Apps, Games, and Society 	<ul style="list-style-type: none"> *Game Design Pathway *Internet of Things Pathway *Programming Pathway
22	SkillsUSA	Law Enforcement Services/Forensic Science Pathway In this pathway, students will cover the essential skills and knowledge useful in any area in law enforcement. Law enforcement personnel have duties that range from controlling traffic to preventing and investigating crimes. Law enforcement officers maintain order; enforce laws and ordinances; issue traffic summonses; investigate accidents; present evidence in court; serve legal documents for the court system; and apprehend, arrest and process prisoners. This pathway also includes analysis into career in Security and Protective Services, including the history, procedures and objectives.	<ul style="list-style-type: none"> 43.45000 - Introduction to Law, Public Safety, Corrections and Security 43.45100 - Criminal Justice Essentials 43.45200 - Forensic Science and Criminal Investigations 	Lovejoy High School Morrow High School Mt. Zion High School Mundy's Mill High School
22	SkillsUSA	Firefighting and Emergency Services/Firefighting Pathway This pathway addresses the essential components needed for a career in fire and emergency services. Students will be prepared for real-life situations that include firefighting, emergency medical response, and public safety communications. Students will explore career options, interagency communications, medical services, and basic firefighting standards. Upon successful completion, the student will be able to sit for the exam to certify as a Firefighter I per National Fire Protection Association (NFPA®) 1001, Standard for Fire Fighter Professional Qualifications.	<ul style="list-style-type: none"> 43.45000 - Introduction to Law, Public Safety, Corrections and Security 43.46000 - Essentials of Fire and Emergency Services 43.44000 - Applications of Firefighting Clayton County Fire & Emergency Services Training Academy 7810 Highway 85, Riverdale, GA 	Charles Drew High School Mundy's Mill High School
2, 6, 9	DECA	Marketing Pathway In this pathway, students will obtain knowledge and skills in management and entrepreneurship, professional sales and marketing, buying and merchandising, marketing communications and promotion, marketing information management and research, distribution and logistics, global marketing, and e-marketing. This pathway culminates with an opportunity for students to take the MBA Research "A" 5% Marketing Concepts' end of pathway assessment or the Oklahoma Consortium (MAVCC) "Marketing Education Manager Trainee" end of pathway assessment. Students may earn a credentialing certificate.	<ul style="list-style-type: none"> 43.46200 - Public Safety Communications 	Forest Park High School Lovejoy High School Morrow High School Mt. Zion High School Mundy's Mill High School North Clayton High School Riverdale High School
2	TSA	Engineering, Drafting and Design Pathway Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the drafting and design standards in the Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Emphasis is placed in the final course on 3-D working and assembly drawings including rendering and animation.	<ul style="list-style-type: none"> 48.54100 - Introduction to Drafting and Design 48.54200 - Survey of Engineering Drawing 48.54300 - 3D Modeling and Analysis 	Jonesboro High School Mt. Zion High School Morrow High School Riverdale High School
2	TSA	Engineering and Technology Pathway In this pathway, students will combine hands on projects that lead to careers in architectural, biomedical, chemical, civil, computer, science, electrical, environmental, industrial, manufacturing, materials, mechanical, nuclear engineering and engineering technology. Students build solid technical writing, comprehension, calculation, problem-solving, and technical skills. This pathway culminates with an opportunity for students to take the NOCTI Engineering or SkillsUSA Engineering end of pathway assessment.	<ul style="list-style-type: none"> 21.42500 - Foundations of Engineering and Technology 21.47100 - Engineering Concepts 21.47200 - Engineering Applications 	<ul style="list-style-type: none"> Lovejoy High School Mathematics & Computer Science Magnet Program
18, 19	SkillsUSA	Automobile Maintenance & Light Repair Pathway In this pathway, students will learn how to research applicable vehicle and service information, service history, precautions and technical service bulletins. Many basic tasks will be covered such as fluid changes, belt replacement, brake, and tire service. This pathway culminates with the opportunity for students to take the end of pathway assessment in Maintenance and Light Repair offered by the National Institute for Automotive Service Excellence (ASE) in collaboration with NATEF/AYES/SkillsUSA.	<ul style="list-style-type: none"> 47.53110 - Basic Maintenance & Light Repair 47.53210 - Maintenance and Light Repair 2 47.53310 - Maintenance and Light Repair 3 	Lovejoy High School Morrow High School Riverdale High School Perry Center
18, 19	SkillsUSA	Aviation Maintenance Pathway In this pathway, students will learn about basic aviation maintenance and flight operations and expand that knowledge to include aircraft performance and design. Classroom and interactive activities will assure students have a thorough understanding of the aviation and aerospace environment.	<ul style="list-style-type: none"> 47.46000 - Fundamentals of Aerospace 47.46200 - Aviation Maintenance I 47.46300 - Aviation Maintenance II 	North Clayton High School Aviation & Innovation Career Academy Fall 2019
18, 19	SkillsUSA	Flight Operations Pathway In this pathway, students learn the basics of aviation maintenance and flight operations. They will gain a fundamental knowledge base in aviation history, regulations, the principles of flight, aerospace careers and technologies, and basic aviation meteorology. Students will also learn to apply the basics of aircraft navigation and utilize efficient communications methods for safe aircraft operations.	<ul style="list-style-type: none"> 47.46000 - Fundamentals of Aerospace 47.48800 - Flight Operations I 47.48900 - Flight Operations II 	North Clayton High School Aviation & Innovation Career Academy Fall 2019
Connects With Various Industries	TSA	Energy		
2, 6	SkillsUSA	Manufacturing		

CTAE MIDDLE SCHOOL COURSES

Business & Computer Science Pathway/Connections <ul style="list-style-type: none"> 07.08300 - Business & Computer Science, Grade 6 07.08400 - Business & Computer Science, Grade 7 07.08500 - Business & Computer Science, Grade 8 <i>Formerly known as Computer Technology/Explorations of Computer Technology</i>	Communications Pathway/Connections <ul style="list-style-type: none"> 48.03100 - Broadcast & Graphic Communications, Grade 6 48.03200 - Introduction to Communications, Grade 7 48.03300 - Applications of Communications, Grade 8 	Family & Consumer Science Pathway/Connections <ul style="list-style-type: none"> 20.01100 - Family & Consumer Science, Grade 6 20.01200 - Family & Consumer Science, Grade 7 20.01300 - Family & Consumer Science, Grade 8 	Marketing, Sales & Service Pathway/Connections <ul style="list-style-type: none"> 06.04100 - Basic Skills of Marketing, Grade 6 06.04200 - Exploring Marketing Education, Grade 7 06.04300 - Pathways in Marketing, Grade 8
Career Development Pathway/Connections <ul style="list-style-type: none"> 32.01100 - Career Discovery, Grade 6 32.02200 - Career Awareness, Grade 7 32.02300 - Career Management, Grade 8 	Engineering & Technology Pathway/Connections <ul style="list-style-type: none"> 21.02100 - Exploring Engineering & Technology, Grade 6 21.02200 - Invention and Innovation, Grade 7 21.02300 - Technology Systems, Grade 8 <i>Formerly known as Industrial Technology/Engineering Technology/Explorations of Engineering</i>	Healthcare Science Pathway/Connections <ul style="list-style-type: none"> 25.03300 - Healthcare Science, Grade 6 25.03400 - Healthcare Science, Grade 7 25.03500 - Healthcare Science, Grade 8 <i>Formerly known as Industrial Technology/Engineering Technology/Explorations of Engineering</i>	SPECIAL POPULATIONS <ul style="list-style-type: none"> 32.41400 - Coordinated Career Academic Education I 32.41700 - Project Success I <i>Taught by DESE teachers to service and provide social and competitive learning opportunities for the students base on IEP.</i>



Industry Certified Programs are the apex of program distinction.

WORK BASED LEARNING