

CAREER & TECHNICAL EDUCATION



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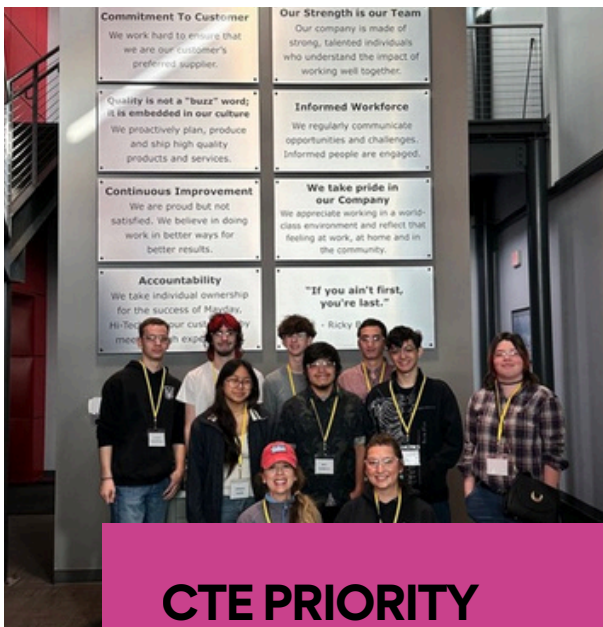
CTE VALUE STATEMENTS



- * Denton ISD Career & Technical Education (CTE) empowers students with the skills, knowledge and experiences to prepare them for career, college, and life. Through programs, industry-aligned coursework, and real world learning opportunities, CTE prepares students for high-wage, high-demand careers and postsecondary success.

CTE MISSION

Empowering student futures and meeting workforce needs.



- * Increase the number of students earning Industry-Based Certifications (IBCs).
- * Retain students in CTE programs of study to maximize CCMR Bonus Outcomes.
- * Introduce CTE Awareness at earlier grade levels so students have foundational knowledge of all available offerings.

CTE PRIORITY GOALS

2026-2027

EMPOWERING FUTURES

SUPER SIX BOARD GOALS

Students will graduate college, career, and/or military ready.



CTE contributes to students graduating prepared for college, career, and/or the military. Through industry-aligned programs of study, students have the opportunity to earn Industry-Based Certifications (IBCs) that open doors to high-wage, high-demand careers immediately after graduation. Dual credit courses allow students to earn college credit while still in high school, saving time and money toward a degree. For students pursuing military service, CTE courses integrate ASVAB preparation and collaborate with ROTC programs to support enlistment goals. Completion of a CTE program of study equips students with technical skills, professional competencies, and workplace readiness that ensure they meet and exceed CCMR indicators.

Students will be engaged in extra/co-curricular activities.



CTE programs offer co-curricular and extracurricular opportunities through Career and Technical Student Organizations (CTSOs) such as SkillsUSA, HOSA, BPA, TAFE, TSA, FFA, and DECA. These organizations provide students with leadership development, teamwork experience, and networking opportunities that extend learning beyond the classroom. Students participate in regional, state, and national competitions, representing their schools while building confidence and skill. Additionally, many CTE programs offer internships, clinical rotations, job shadowing, and real-world project experiences, allowing students to apply their learning in professional settings and deepen their engagement.

Staff members are highly engaged.



CTE staff members bring unique expertise from their professional industries, fostering a culture of passion and authenticity in the classroom. They participate in professional organizations and maintain industry certifications to ensure their teaching remains relevant to current workforce standards. Many CTE teachers serve as advisors for CTOS, lead community partnerships, and coordinate internships, all of which keep them actively engaged with students and industry leaders. Through collaborative Professional Learning Communities (PLCs) and curriculum development work, CTE teachers share best practices, align instruction across campuses, and continually improve program quality.

Families and our communities are highly engaged.



CTE programs are strengthened by the active involvement of families and community partners. Advisory Committees—comprised of economic development, business leaders, and local stakeholders—play a role in aligning CTE programs with workforce needs. Families are invited to participate in events such as student showcases, certification ceremonies, signing days, and CTOS activities, celebrating student achievement and progress. Community partners offer internships, apprenticeships, equipment donations, and guest speaker opportunities, creating authentic learning experiences for students. By building strong connections between schools, families, and local industries, CTE supports economic growth and fosters a shared investment in student success.

CTE STUDENT GUIDEBOOK



In the next few pages, you will find the CTE Student Guidebook. This document provides an overview of all Denton ISD programs of study, course sequences, and resources for parents, students, and counselors. It serves as a roadmap for students pursuing college and career readiness.

DENTON ISD CTE COURSE GUIDEBOOK

2025 - 2026 STUDENT EDITION



DENTON INDEPENDENT
SCHOOL DISTRICT

Program	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Careers
ENDORSEMENT: BUSINESS & INDUSTRY						
CLUSTER: AGRICULTURE, FOOD & NATURAL RESOURCES						
 Agricultural Technology and Mechanical Systems	<i>Principles of Business, Marketing, and Finance</i>	Principles of Agriculture, Food, and Natural Resources	Agricultural Mechanics and Metal Technologies and Lab	Agricultural Structures Design and Fabrication and Lab	CTE Project-Based Capstone	Equipment Operator Carpenter Plumber
 Animal Science	<i>Principles of Business, Marketing, and Finance</i>	Principles of Agriculture, Food, and Natural Resources	Small Animal Management AND Equine Science	Veterinary Sciences Livestock Production	Practicum in Ag - Vet Med Advanced Animal Science	Veterinarian Animal Biologist Vet Tech
 Plant Science	<i>Principles of Business, Marketing, and Finance</i>	Principles of Agriculture, Food, and Natural Resources	Floral Design (Fine Arts Credit)	Advanced Floral Design	Practicum in Ag - Floral Design	Botanist Floral Designer Environmental Scientist
CLUSTER: ARCHITECTURE & CONSTRUCTION						
 Architecture Design	<i>Principles of Applied Engineering</i>	Entrepreneurship I	Architectural Design I	Architectural Design II* (2 Blocks)	Practicum in Architectural Design* (2 Blocks) OR Career Prep	Architect Civil Drafter
 HVAC	<i>Principles of Business, Marketing, and Finance</i>	Entrepreneurship I	Agricultural Mechanics and Metal Technologies and Lab	HVAC I**** AND Sheet Metal Technology**** (2 Blocks)	HVAC II**** (2 Blocks) OR Practicum in Entrepreneurship	HVAC Mechanic Systems Engineer
CLUSTER: ARTS, AUDIO VISUAL TECHNOLOGY & COMMUNICATIONS						
 Digital Communication	Principles of Arts, Audio/Video Tech & Communications	Entrepreneurship I	Digital Art and Animation OR Professional Communications	Audio/Video Production I & II* (2 Blocks)	Practicum in Audio/Video* (2 Blocks)	Videographer Post-Production Specialist Broadcast
 Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Tech & Communications	Entrepreneurship I	Digital Art and Animation (Fine Arts Credit)	Animation I & II* (2 Blocks) Graphic Design 1 & 2* (2 Blocks) Commercial Photography 1 & 2* (2 Blocks)	Practicum in Animation* (2 Blocks) Practicum in Graphic Design* (2 Blocks) Practicum in Commercial Photography* (2 Blocks)	Graphic Designer Motion Graphics Artist Creative Director Commercial Photographer Digital Marketing
CLUSTER: BUSINESS, MARKETING & FINANCE						
 Business Management	Principles of Business, Marketing, and Finance	Entrepreneurship I	Foundations of Business Communication and Technologies	Business Management	Practicum in Entrepreneurship	Retail Supervisor Project Manager
 Entrepreneurship	Principles of Business, Marketing, and Finance	Entrepreneurship I	Foundations of Business Communication and Technologies	Entrepreneurship II***	Practicum in Entrepreneurship	Business Owner General Manager
 Marketing and Sales	Principles of Business, Marketing, and Finance	Entrepreneurship I	Social Media Marketing AND Sports and Entertainment Marketing	Fundamentals of Real Estate	Practicum in Entrepreneurship	Marketing Specialist Real Estate Agent Social Media Manager

Program	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Careers
CLUSTER: HOSPITALITY & TOURISM						
 Culinary Arts	Principles of Human Services	Principles of Hospitality OR Entrepreneurship I	Culinary Arts	Advanced Culinary Arts* (2 Blocks)	Practicum in Culinary Arts* (2 Blocks) OR Food Science OR Practicum in Entrepreneurship	Chef Restaurant Manager Line Cook
CLUSTER: INFORMATION TECHNOLOGY						
 Cybersecurity	Principles of Information Technology	Fundamentals of Computer Science	Computer Science I OR Computer Maintenance & Lab (2 Blocks) OR AP Computer Science A	Internetworking Technologies I & II (2 Blocks)	Practicum in Information Technology (2 Blocks)	Security Analyst Systems Administrator Penetration Tester
 Information Technology Support & Services	Principles of Information Technology	Fundamentals of Computer Science OR Entrepreneurship I	Computer Maintenance & Lab (2 Blocks)	Computer Technician Practicum (2 Blocks)	Practicum in Information Technology (2 Blocks)	IT Technician Computer Programmer Systems Architect
 Programming and Software Development	Principles of Information Technology	Fundamentals of Computer Science OR Entrepreneurship I	Computer Science I OR AP Computer Science Principles	Computer Science II	Computer Science III OR Practicum in Information Technology (2 Blocks)	Computer Programmer App Builder Software Developer
CLUSTER: MANUFACTURING						
 Welding	Principles of Applied Engineering	Principles of Manufacturing OR Entrepreneurship I	Introduction to Welding	Welding I (2 Blocks)	Welding II* (2 Blocks) OR Practicum in Entrepreneurship	Welder Cutter Machine Setter
CLUSTER: TRANSPORTATION, DISTRIBUTION & LOGISTICS						
 Automotive and Collision Repair	Principles of Applied Engineering	Principles of Transportation Systems OR Entrepreneurship I	Automotive Year 1* (2 Blocks)	Automotive Year 2* (2 Blocks)	Automotive Year 3* OR Practicum in Entrepreneurship	Automotive Mechanic Collision Tech
 Aviation Pilots	Principles of Applied Engineering	Principles of Transportation Systems	J.R.O.T.C. I	Intro to Aircraft Technology** AND Aviation Ground School** (2 Blocks)	Practicum in Transportation (2 Blocks)	Private Pilot Commercial Pilot Drone Pilot
ENDORSEMENT: PUBLIC SERVICE						
CLUSTER: EDUCATION & TRAINING						
 Early Learning	Principles of Human Services	Principles of Education and Training	Child Development	Child Guidance Internship (2 Blocks)	Practicum in Early Learning (2 Blocks)	Preschool Teacher Childcare Worker Special Education Teacher
 Teaching and Training	Principles of Human Services	Principles of Education and Training	Child Development	Communication and Technology in Education* AND Instructional Practices* (2 Blocks) OR Instructional Practices Dual Credit* (2 Blocks)	Practicum in Education and Training* (2 Blocks) OR Practicum in Education and Training Dual Credit* (2 Blocks)	Elementary Teacher Coach Secondary Teacher School Administrator
CLUSTER: HEALTH SCIENCE						
 Exercise Science, Wellness, and Restoration	Principles of Human Services	Principles of Health Science OR Entrepreneurship I	Kinesiology I	Kinesiology II Anatomy & Physiology (recommended)	Practicum in Entrepreneurship	Coach Athletic Trainer Physical Therapist

Program	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Careers
CLUSTER: HEALTH SCIENCE						
 Healthcare Therapeutic & Diagnostics	<i>Principles of Human Services</i>	Principles of Health Science	Medical Terminology	Health Science Theory & Clinical* (2 Blocks) Anatomy & Physiology (recommended)	Medical Assisting* (2 Blocks) Patient Care Technician* (2 Blocks) Pharmacy* (2 Blocks) EMT (Dual Credit)* (2 Blocks)	Nurse Pharmacist Doctor Lab Assistant Medical Laboratory Scientist EMT
CLUSTER: LAW & PUBLIC SERVICE						
 Fire Science	<i>Principles of Human Services</i>	Principles of Law, Public Safety, Corrections and Security	<i>Forensic Psychology</i>	Firefighter I* AND Dual Credit Anatomy and Physiology* (2 Blocks)	Firefighter II* AND EMT Basic* (2 Blocks)	Firefighter Emergency Management Specialist
 Law Enforcement	<i>Principles of Human Services</i>	Principles of Law, Public Safety, Corrections and Security	Forensic Psychology	Law Enforcement I & II* (2 Blocks)	Criminal Investigation* AND Forensic Science* (2 Blocks) OR Practicum in Law* (2 Blocks)	Law Enforcement Officer Crime Scene Investigator
 Legal Studies	<i>Principles of Human Services</i>	Principles of Law, Public Safety, Corrections and Security	<i>Forensic Psychology</i>	Court Systems AND Advanced Legal Systems* (2 Blocks)	Practicum in Law* (2 Blocks)	Lawyer Paralegal Mediator
CLUSTER: HUMAN SERVICES						
 Cosmetology	<i>Principles of Human Services</i>	Entrepreneurship I	Principles of Cosmetology* AND Introduction to Cosmetology* (2 Blocks)	Cosmetology I* AND Nail Care, Enhancements, and Spa Services* (4 Blocks)	Cosmetology II* AND Practicum in Cosmetology* (4 Blocks)	Cosmetologist Nail Tech Make-Up Artist
 Family and Community Services	Principles of Human Services	Professional Communications AND Interpersonal Studies	Child Development	Family and Community Services	Practicum in Entrepreneurship	Social Worker Counselor
ENDORSEMENT: STEM						
CLUSTER: ENGINEERING						
 Electrical Engineering (BHS)	Principles of Applied Engineering	Engineering Design Process	AC/DC Electronics	Practicum in Engineering I* (2 Blocks)	Practicum in Engineering II* (2 Blocks)	Electrical Engineer Industrial Technologist Aerospace Engineer
 Electrical Engineering (BHS, GHS, and RHS)	Principles of Applied Engineering	Robotics I	Engineering Design Process* AND AC/DC Electronics*	Practicum in Engineering I* (2 Blocks)	Practicum in Engineering II* (2 Blocks)	Electrical Engineer Industrial Technologist Aerospace Engineer

Industry-Based Certification offered

* course offered at LaGrone Academy

** course offered at US Aviation

*** course only available to Guyer High School students

**** course offered at Denton High School, available to all students

Italicized courses are not part of the program of study.

Denton ISD offers career and technical education programs in 40 different Programs of Study. Admission to these programs is based on student requests and course completion of prerequisite as indicated in the course catalogue.

It is the policy of Denton ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Denton ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Denton ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

INDUSTRY-BASED CERTIFICATIONS OFFERED

Denton ISD offers a wide range of industry-based certifications (IBCs) that give students a competitive edge by validating their skills with credentials recognized by employers and higher education institutions. These certifications provide students with real-world value. That value may be in the form of employment, strengthening college applications, or laying the groundwork for future careers.

Certifications are offered across multiple career clusters, allowing students to align their education with personal interests and workforce demand.

By earning industry-based certifications, Denton ISD students graduate with more than just classroom knowledge; they leave with recognized proof of their skills and career readiness, ensuring they are prepared to step confidently into college or the workforce.



Different Certifications
Offered

72



Pass Rate

74%



Certifications earned

4,300+



CTE IN MIDDLE SCHOOLS

CAREER EXPLORATION BEGINS EARLY

Career exploration in Denton ISD begins long before students enter high school. Through intentionally designed middle school Career and Technical Education (CTE) courses, students build foundational technical and employability skills while exploring a wide variety of career pathways aligned to their interests and future goals. These experiences help students make informed decisions about high school Programs of Study, industry-based certifications, dual credit opportunities, and postsecondary pathways.

As Denton ISD looks toward the future, the district is expanding its vision beyond middle school coursework to create a vision that includes intentional career awareness experiences beginning with hands-on exploration opportunities, which helps with a seamless transition into high school CTE Programs of Study. By introducing students to careers earlier and providing multiple opportunities to discover their strengths, Denton ISD aims to ensure every student graduates with a clear plan for college, career, or military success.

This work aligns with Texas Education Code §28.016, which encourages districts to provide students with opportunities to explore high-demand occupations and prepare for College, Career, and Military Readiness (CCMR). Through strategic alignment career awareness and exploration, plus high school workforce preparation, Denton ISD is building a sustainable talent pipeline that connects classroom learning with future workforce opportunities while supporting the region's growing economic needs.

1,310

Grade 7
enrollment

2,045

Grade 8
enrollment

MIDDLE SCHOOL CAREER EXPLORATION



MANUFACTURING DAY

Manufacturing Day provides Denton ISD eighth-grade students with an opportunity to explore high-demand careers through hands-on experiences and direct interaction with local business and industry partners. In collaboration with the City of Denton Economic Development our Applied Engineering students are able to engage with professionals, participate in interactive demonstrations, and discover the wide variety of career pathways available within the Denton community. These authentic career exploration experiences help students connect classroom learning to future opportunities while supporting informed decisions as they prepare to enter high school CTE Programs of Study.

2026 MANUFACTURING DAY

Location: Denton Quakertown Civic Center
Time: 9:00 AM to 3:00 PM
Date: Thursday, September 24

Interactive Booths & Engaging Activities

CAREER DAY

Career Day provides middle school students with the opportunity to learn directly from Denton ISD high school CTE students representing a variety of Career and Technical Education pathways. Through interactive presentations, demonstrations, and personal stories, high school students share their experiences, showcase technical skills, and discuss the opportunities available within their programs of study. This peer-to-peer approach allows middle school students to explore career interests, ask authentic questions, and begin envisioning their own future pathways while fostering leadership and communication skills among the high school presenters.



CCMR INDICATORS

CCMR indicators are state-defined measures used to determine whether graduates meet College, Career, or Military Readiness criteria. For CTE, this includes being a completer in a program of study and earning an industry-based certification (IBC).

***** *CTE Completer: A student completing and passing three or more high school CTE courses for four or more credits within a program of study, including one level 3 or 4 course from within the same program of study.*

CTE is not the only indicator of being College, Career, or Military Ready. Students can also satisfy the CCMR requirement by meeting criteria such as earning qualifying scores on SAT, ACT, or TSIA; completing dual credit courses; achieving college credit through Advanced Placement (AP) or International Baccalaureate (IB) exams; enlisting in the military; or earning an associate degree while in high school.

Career Ready	College Ready	Military Ready
CTE Completer + Earned IBC	3+ on AP 4+ on IB	Enlist in US Armed Forces (DD Form 4)
Completed IEP and workforce readiness	SAT ACT TSIA2	Texas National Guard (DD Form 4)
	Dual Credit 3 credit hours in English/Math or 9 hours in any subject	



REGIONAL LABOR MARKET

As part of our Comprehensive Local Needs Assessment (CLNA), Denton ISD partnered with CareerCraft to analyze regional labor market trends. The audit found that our region is expected to experience strong long-term job growth in fields such as healthcare, information technology, engineering, finance, advanced manufacturing, transportation and logistics. The findings reinforced the importance of aligning our CTE programs with local workforce needs while continuing to emphasize industry certifications and the durable skills employers consistently seek.

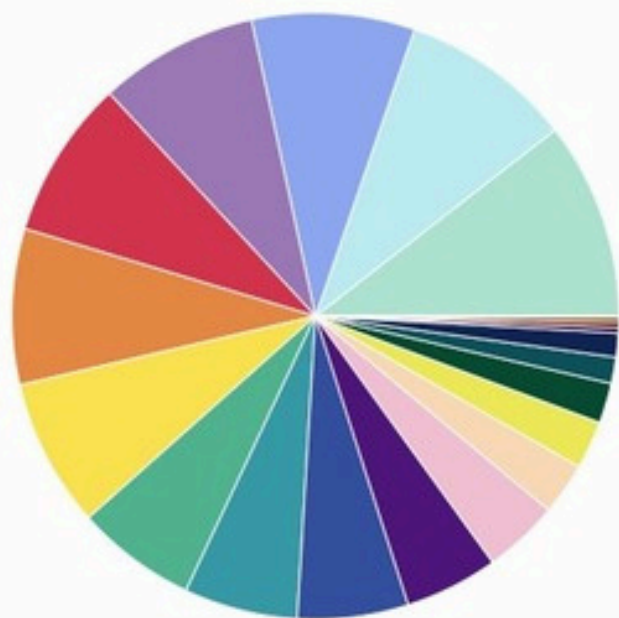
WHAT EMPLOYERS NEED:

- * Regional labor market analysis identified sustained growth in healthcare, engineering, information technology, finance, logistics, advanced manufacturing, skilled trades, and hospitality. These industries continue to report increasing demand for employees who possess both technical expertise and strong employability skills such as communication, problem solving, adaptability, and teamwork.

WHAT DENTON ISD CAN DO:

- * These findings confirmed that the future of Career and Technical Education is not simply adding more programs—it is creating authentic learning experiences that prepare students for careers that exist today while remaining flexible for the careers that will emerge tomorrow. The analysis helped guide decisions regarding future programs, industry partnerships, facility design, and work-based learning opportunities within Denton ISD.

CURRENT REGIONAL WORKFORCE



Sector	Current Employment	Percent %
Agriculture, Forestry, Fishing and Hunting	3,849	0.3%
Mining, Quarrying, and Oil and Gas Extraction	4,369	0.3%
Utilities	4,076	0.3%
Construction	94,877	6.4%
Manufacturing	73,597	5.0%
Wholesale Trade	89,475	6.1%
Retail Trade	125,163	8.5%
Transportation and Warehousing	128,212	8.7%
Information	40,988	2.8%
Finance and Insurance	117,020	7.9%
Real Estate Rental and Leasing	31,626	2.1%
Professional, Scientific, and Technical Services	155,502	10.5%
Management of Companies and Enterprises	37,934	2.6%
Administrative and Support and Waste Management and Remediation Services	135,738	9.2%
Educational Services	87,217	5.9%
Health Care and Social Assistance	125,452	8.5%
Arts, Entertainment, and Recreation	20,604	1.4%
Accommodation and Food Services	122,684	8.3%
Other Services (except Public Administration)	59,506	4.0%
Public Administration	18,902	1.3%
Unclassified	818	0.1%

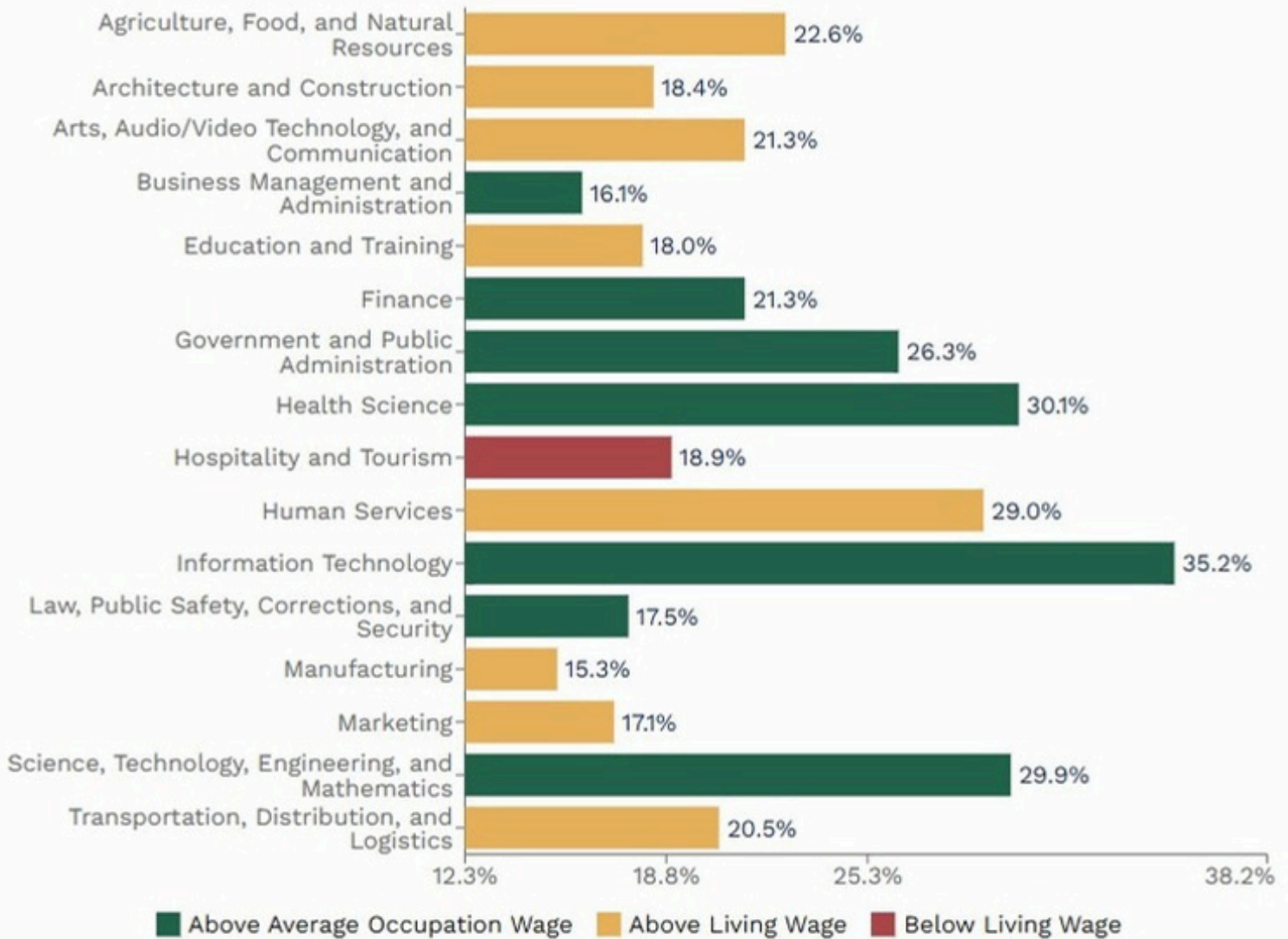
REGIONAL WORKFORCE PRIORITIES

"Soft Skills" (Employability Skills) Sought by Regional Employers

Skill Name	Median Wage	Median Wage "n"	Active Job Ads
Communication (Verbal and written skills)	\$42,900	76,413	373,947
Cooperative/Team Player	\$45,300	39,885	217,198
Customer Service	\$36,200	36,999	148,829
Organization	\$40,100	26,012	115,816
Problem Solving	\$48,300	19,417	96,473
Adaptability/Flexibility/Tolerance of Change and Uncertainty	\$39,800	17,321	95,461
Detail Oriented/Meticulous	\$40,400	24,534	91,624
Interpersonal Relationships/Maintain Relationships	\$45,200	16,425	85,823
Ability to Work in a Fast Paced Environment	\$38,100	18,887	80,564
Self-Motivated/Ability to Work Independently/Self Leadership	\$44,200	18,827	78,758
Supervision/Management	\$56,000	12,903	76,360
Analytical	\$68,600	9,180	61,855
Prioritize	\$48,400	10,689	55,198
Multi-Task	\$38,100	11,131	46,384
Punctual	\$38,900	10,423	45,850
Time Management/Time Utilization	\$42,200	11,028	45,717
Project Management	\$79,600	6,486	43,893
Leadership	\$59,500	6,683	43,606
Work Ethic/Hard Working	\$37,400	10,151	36,791
Good Judgment	\$46,200	6,741	36,182

While technical skills remain essential, employers consistently identify employability skills—including communication, collaboration, professionalism, adaptability, problem solving, and critical thinking—as equally important for long-term success. In response, Denton ISD CTE has made employability skills a districtwide priority for 2026–2027. Professional learning is focused on helping teachers intentionally embed these skills into daily instruction through authentic lessons, project-based learning, workplace simulations, and collaborative experiences that mirror today's professional environments.

Career Cluster Growth Forecast



FROM DATA TO DESIGN

Denton ISD's vision for the future of Career and Technical Education was not developed by selecting popular programs. Every recommendation was informed by regional workforce data, employer feedback, advisory committee input, student interest, and long-term economic projections. Our focus is to create pathways that prepare students for high-wage, high-demand careers while providing them with the technical knowledge, employability skills, and industry credentials needed for long-term success in an evolving workforce.

Those findings directly shaped the vision for the Jim Alexander Career Experience Center (The ACE).

THE FUTURE OF CTE IN DENTON ISD



JIM ALEXANDER CAREER EXPERIENCE CENTER (The ACE)

Student Learning

The instructional spaces within The ACE feature flexible classrooms, industry-standard labs, and collaborative learning environments where students develop technical knowledge, strengthen employability skills, solve real-world challenges, and prepare for high-wage, high-demand careers through authentic, hands-on learning.

Community Engagement

The community-facing spaces within The ACE are designed to provide authentic work-based learning through student-operated businesses and services. These environments connect students with local businesses, families, and the community while allowing them to apply classroom learning in real-world settings that build technical expertise, employability skills, and professional confidence.

Career and Technical Education is evolving beyond traditional classroom instruction into authentic, career-connected learning experiences. The Jim Alexander Career Experience Center (The ACE) represents Denton ISD's long-term vision for preparing students with the technical knowledge, employability skills, and professional experiences necessary for success in an ever-changing workforce. The vision for The ACE is to create opportunities for students to learn in environments that mirror modern industry while strengthening partnerships with local business and Denton County's community.

FOUR PILLARS

AUTHENTIC LEARNING

Students apply classroom learning through real-world projects and simulated workplace environments.

INDUSTRY PARTNERSHIPS

Expanded collaboration with business and industry to provide mentorships, internships, advisory input, and work-based learning.

STUDENT ENTREPRENEURSHIP

The vision includes student-operated enterprises where students develop customer service, leadership, financial literacy, and business management skills.

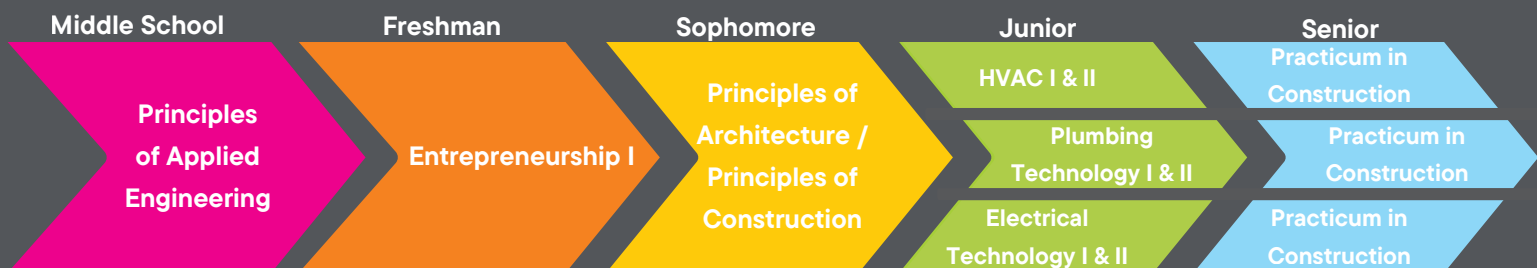
COMMUNITY ENGAGEMENT

The ACE is designed to strengthen connections between Denton ISD, families, industry, and the community through shared learning experiences and public engagement.



NEW PROGRAMING

Rather than adding entirely new course sequences, Denton ISD CTE Department is strategically expanding Programs of Study by leveraging shared foundational coursework across multiple career pathways. Students develop broad technical skills early in high school before specializing in advanced experiences aligned to their chosen career field. This model increases student opportunities while making efficient use of instructional resources.



THE ACE BY THE NUMBERS



13+

Programs of Study
envisioned



7+

Student Enterprises



K-12

Career Pipeline

NEW CAREER OPPORTUNITIES

New and expanded career and course offerings:

- *Robotics & Automation
- *Drones
- *Logistics
- *Construction Management
- *HVAC
- *Plumbing
- *Electrical
- *Barbering
- *Culinary
- *Hospitality
- *Graphic Design
- *Business
- *Health Science

STUDENT-OPERATED EXPERIENCES

Potential student-operated experiences are intended to provide authentic work-based learning while strengthening community partnerships.

- * Event Center
- * Bistro
- * Bank
- * Print Shop
- * School Store
- * Barber Shop
- * Coffee Cart

WORKFORCE FOCUS

Many of the proposed pathways were selected because they align with regional workforce needs across North Texas.

High-demand industries include:

- * Healthcare
- * Skilled Trades
- * Advanced Manufacturing
- * Logistics
- * Finance
- * Hospitality
- * Digital Media
- * Engineering



LOOKING AHEAD

As workforce demands continue to evolve, Denton ISD is committed to creating learning experiences that connect education with opportunity. Future planning for Career and Technical Education centers on expanding access to high-quality programs, increasing industry partnerships, strengthening employability skills, and creating authentic learning environments where students solve real problems and serve real customers.

THE LONG TERM-VISION INCLUDES:

- * Expanding work-based learning experiences across additional career clusters.
- * Providing innovative learning environments that mirror professional industry settings.
- * Growing partnerships with local employers, higher education, and community organizations.
- * Increasing access to industry-recognized certifications aligned to workforce needs.
- * Strengthening the K-12 career awareness pipeline through hands-on exploration
- * Developing graduates who are prepared for college, careers, military service, and lifelong success.

The future of Career and Technical Education in Denton ISD is not defined by a building—it is defined by creating meaningful opportunities where students discover their passions, develop professional skills, earn industry-recognized credentials, and graduate prepared to contribute to the future workforce.