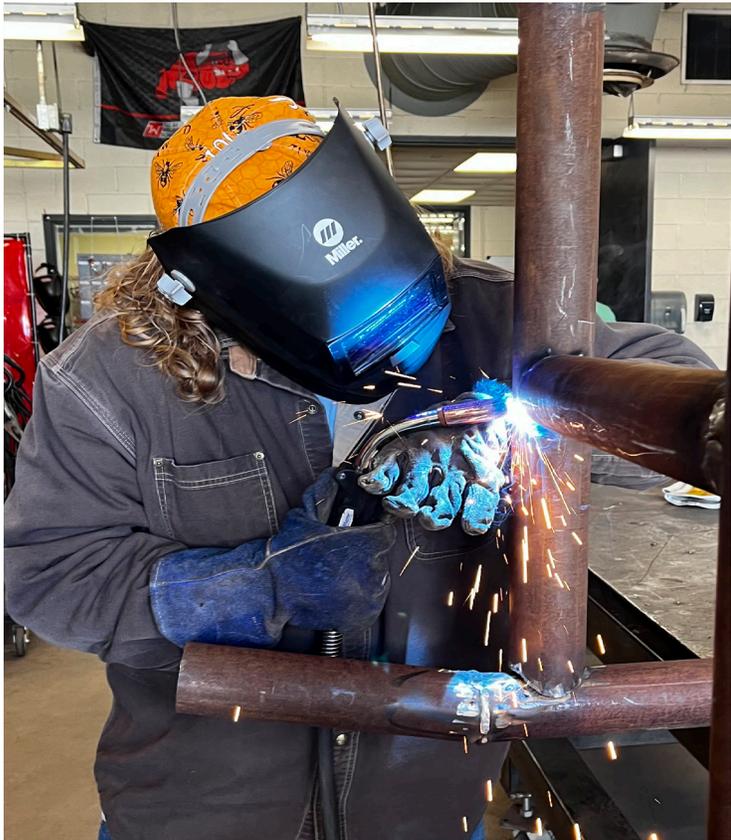
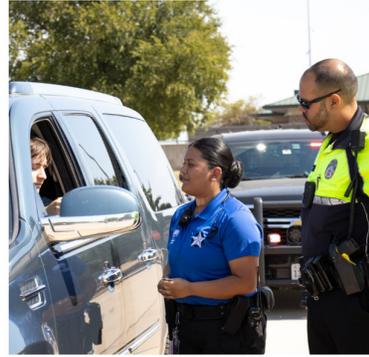




# DENTON ISD CTE COURSE GUIDEBOOK



Student Edition

Program	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Careers
<b>ENDORSEMENT: BUSINESS &amp; INDUSTRY</b>						
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 Medical Applications	Practicum in Ag	Veterinarian Animal Biologist Vet Tech
				Livestock	Advanced Animal Science	
 Plant Science	<i>Principles of Business, Marketing and Finance</i>	Principles of Agriculture, Food, and Natural Resources	Floral Design	Advanced Floral Design	Practicum in Ag - Floral Design	Botanist Floral Designer Environmental Scientist
CLUSTER: ARCHITECTURE & CONSTRUCTION						
 Architecture Design	<i>Principles of Applied Engineering</i>	<i>Entrepreneurship I</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	<i>Agricultural Mechanics and Metal Technologies and Lab</i>	Heating, Ventilation, & Air Conditioning I**** and Sheet Metal**** (2 Blocks)	Heating, Ventilation, & Air Conditioning II**** OR Career Prep	HVAC Mechanic Systems Engineer
CLUSTER: ARTS, AUDIO VISUAL TECHNOLOGY & COMMUNICATIONS						
 Digital Communication	Principles of Arts, Audio/Video Tech & Communications	Entrepreneurship I	<i>Digital Art and Animation</i> OR Professional Communications	Audio/Video Production I & II* (2 Blocks)	Practicum in Audio/Video* (2 Blocks) OR Career Prep	Videographer Post-Production Specialist Broadcast
 Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Tech & Communications	Entrepreneurship I	Digital Art and Animation	Animation I & II* (2 Blocks)	Practicum in Animation* (2 Blocks) OR Career Prep	Graphic Designer Motion Graphics Artist Creative Director Commercial Photographer Digital Marketing
				Graphic Design 1 & 2* (2 Blocks)	Practicum in Graphic Design* (2 Blocks) OR Career Prep	
				Commercial Photography 1 & 2* (2 Blocks)	Practicum in Commercial Photography* (2 Blocks) OR Career Prep	
CLUSTER: BUSINESS, MARKETING & FINANCE						
 Business Management	Principles of Business, Marketing, and Finance	Entrepreneurship I	Business Information Management I	Business Information Management II	Business Management OR Career Prep	Retail Supervisor Project Manager
 Entrepreneurship	Principles of Business, Marketing, and Finance	Entrepreneurship I	Business Information Management I	Entrepreneurship II*** OR Practicum in Entrepreneurship	Career Prep	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 OR Career Prep	Marketing Specialist Real Estate Agent Social Media Manager

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CLUSTER: HOSPITALITY & TOURISM						
 Culinary Arts	<i>Principles of Human Services</i>	Principles of Hospitality OR Entrepreneurship I	Culinary Arts	Advanced Culinary Arts* (2 Blocks)	Practicum in Culinary Arts* (2 Blocks) OR Career Prep OR Food Science	Chef Restaurant Manager Line Cook
CLUSTER: INFORMATION TECHNOLOGY						
 Cybersecurity	Principles of Information Technology	Fundamentals of Computer Science	Internetworking Technologies I	Internetworking Technologies II	Practicum in Information Technology* (2 Blocks) OR Career Prep	Security Analyst Systems Administrator Penetration Tester
 IT 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 Entrepreneurship OR Career Prep	IT Technician Computer Programmer Systems Architect
 Programming and Software Development	Principles of Information Technology	Fundamentals of Computer Science OR Entrepreneurship I	Computer Science I	Computer Science II	Computer Science III OR Career Prep	Computer Programmer App Builder Software Developer
CLUSTER: MANUFACTURING						
 (Coming Soon) Advanced Manufacturing and Industrial Technology	<i>Principles of Applied Engineering</i>	Principles of Manufacturing	<i>Introduction to Welding AND Agricultural Mechanics and Metal Technologies and Lab</i>	Welding I	Career Prep	Machinist Industrial Machinery Mechanic Mechatronics Tech
 Welding	<i>Principles of Applied Engineering</i>	Principles of Manufacturing OR Entrepreneurship I	Introduction to Welding	Welding I (2 Blocks)	Welding II* (2 Blocks) OR Career Prep	Welder Cutter Machine Setter
CLUSTER: TRANSPORTATION, DISTRIBUTION & LOGISTICS						
 Automotive and Collision Repair	<i>Principles of Applied Engineering</i>	Principles of Transportation Systems OR Entrepreneurship I	Automotive Basics AND Introduction to Transportation Technology* (2 Blocks)	Automotive Technology I* (2 Blocks)	Automotive Technology II* (2 Blocks) OR Career Prep	Automotive Mechanic Collision Tech
 Aviation Pilots	<i>Principles of Applied Engineering</i>	Principles of Transportation Systems	<i>J.R.O.T.C. 1</i>	Intro to Aircraft Technology** AND Aviation Ground School** (2 Blocks)	Practicum in Transportation (2 Blocks) OR Career Prep	Private Pilot Commercial Pilot Drone Pilot
<b>ENDORSEMENT: PUBLIC SERVICE</b>						
CLUSTER: EDUCATION & TRAINING						
 Early Learning	Principles of Human Services	Principles of Education and Training	Child Development	Child Guidance Internship (2 Blocks)	Practicum of Early Learning (2 Blocks) OR Career Prep	Preschool Teacher Childcare Worker Special Education Teacher
 Teaching and Training	Principles of Human Services	Principles of Education and Training	Child Development	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 Secondary Teacher School Administrator

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<b>CLUSTER: HEALTH SCIENCE</b>						
 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)	Nurse  Pharmacist  Doctor  Lab Assistant  Medical Laboratory Scientist  EMT
					Patient Care Technician* (2 Blocks)	
					Pharmacy* (2 Blocks)	
					EMT (Dual Credit)* (2 Blocks)	
 Exercise Science, Wellness, and Restoration	<i>Principles of Human Services</i>	Principles of Health Science OR Entrepreneurship I	Kinesiology I	Kinesiology II (coming 2026-2027 School Year)  Anatomy & Physiology (recommended)	Career Prep	Coach  Trainer  Physical Therapist
<b>CLUSTER: LAW &amp; PUBLIC SERVICE</b>						
 Fire Science	<i>Principles of Human Services</i>	Principles of Law, Public Safety, Corrections and Security	<i>J.R.O.T.C. 1</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	<i>J.R.O.T.C. 1</i>	Law Enforcement I & II* (2 Blocks) AND Forensic Psychology (Optional)	Criminal Investigation AND Forensic Science* (2 Blocks) OR Practicum in Law, Public Safety, Corrections & Security* (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>J.R.O.T.C. 1</i>	Court Systems and Practices AND Advanced Legal Skills and Professions* (2 Blocks)	Practicum in Law, Public Safety, Corrections & Security* (2 Blocks)	Lawyer  Paralegal  Mediator
<b>CLUSTER: HUMAN SERVICES</b>						
 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) OR Career Prep	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	Career Prep OR Practicum in Entrepreneurship	Social Worker  Counselor
<b>ENDORSEMENT: STEM</b>						
<b>CLUSTER: ENGINEERING</b>						
 Electrical Engineering	Principles of Applied Engineering	Introduction to Engineering Design	AC/DC Electronics	Practicum in STEM I - Engineering* (2 Blocks)	Practicum in STEM II - Engineering* (2 Blocks) OR Career Prep	Electrical Engineer  Industrial Technologist  Aerospace Engineer

\* course offered at LaGrone Academy

\*\* course offered at US Aviation

\*\*\* course only available to Guyer High School students

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.