

DENTON ISD CAREER AND TECHNICAL EDUCATION PROGRAMS OF STUDY

All Level 3 or 4 courses count as Advanced Classes for an Endorsement. (LA) Courses offered at the LaGrone Academy. *Non CCMR Certifications

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food, and Natural Resources

Program of Study	Level 1	Level 2	Level 3	Level 4	Certification	Partnerships
Applied Agricultural Engineerign	Principles of Agriculture, Food & Natural Resources (9-12) (1)	Agricultural Mechanics & Metal Technologies/Lab (10-12)(2)	Agricultural Structures Design & Fabrication/ Lab (11-12) (2)	Project Based Research in Ag (12) (1)	NCCER Core	EASB Fultons Metal
Animal Science		Small Animal Management(10-12) (.5) /Equine Science (10-12) (.5) Entrepreneurship I (9-12) (1)	Livestock Production (10-12) (1) Vet Medical Applications (11-12) (1)	Advanced Animal Science (11-12) (1) (Science Credit) or Practicum in Ag - Veterinary Medical Applications (12) (2)	Equine Management & Evaluation Elanco Fundamentals of Animal Science Certification	North Texas Fair North Texas Farm Bureau
Plant Science		Entrepreneurship I (9-12) (1)	Floral Design/Lab (9-12) (2) (Fine Arts)	Advanced Floral Design (10-12) (1) Practicum in Ag - Floral Design (12) (2)	Texas State Florist Association Level 1 Knowledge Texas State Florist Association Level 1/2	Floral Garden 118 ABC Home & Commercial Pest Control

Architecture and Construction

Architecture Design	Principles of Architecture (9-12) (1)	Architectural Design 1 (10-12) (1) DHS Only- Principles of Architecture(Level1)/Architecture Design (10-12) (2)	Architectural Design II (11-12) (2) (LA)	Career Prep (11-12) (2-3) or Practicum in Architectural Design (12) (2) (LA)	LEED Green Associate	Balfour Betty Construction VLK Architect
HVAC and Sheet Metal		Entrepreneurship I (9-12) (1)	Heating Ventilation & Air Conditioning I (11-12) (1) / Sheet Metal Technology (11-12) (1) (Level 2/3) Located at DHS	Heating Ventilation & Air Conditioning II (12)* Located at DHS (2) or Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	EPA 608	Morrison Heating and Air, TD Industries, CBI Mechanical

Arts, A/V Technology and Communication

Digital Communications	Professional Communications (9-12) (.5) Principles of Arts, Audio/Video Tech & Communications (7-8) (1)	Audio/Video Production I & Lab (11-12) (2) (LA) (Fall Semester) Entrepreneurship I (9-12) (1)	Audio/Video Production II & Lab (11-12) (2) (LA) (Spring Semester)	Practicum in Audio/Video (12) (LA) or Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	Adobe Premier Pro	Behind the Dish Media The Crouch Group
Graphic Design and Multimedia Arts	Principles of Arts, Audio/Video Tech & Communications (7-8) (1)	Animation I & Lab (11-12) (2) (LA) (Fall Semester) Entrepreneurship I (9-12) (1)	Animation II & Lab (11-12) (2) (LA) (Spring Semester) or Digital Art and Animation (10-12) (1) (Fine Arts)	Practicum in Animation (12) (2) (LA) or Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	Adobe Photoshop	GameDay Media
		Graphic Design & Illustration I & Lab (11-12) (2) (LA) (Fall) Entrepreneurship I (9-12) (1)	Graphic Design & Illustration II & Lab (12) (Spring) (LA) Digital Art and Animation (9-12) (1) (Fine Arts)	Practicum in Graphic Design (12) (2) (LA) or Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	Adobe Illustrator	Groggy Dog
		Commercial Photography I & Lab (11-12) (2) (LA) (Fall) Entrepreneurship I (9-12) (1)	Commercial Photography II & Lab (12)(Spring Semester) (2) (LA) Digital Art and Animation (9-12) (1) (Fine Arts)	Practicum in Commercial Photography (12) (2) (LA) or Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	Adobe Photoshop	Vision and Verve

Business Management and Administration, Marketing, Finance

Business Management	Principles of Business, Marketing & Finance (7-8)(1) or Business Information Management I/Lab (9-12) (2)	Business Information Mangement III/Lab (10-12) (2) Entrepreneurship I (9-12) (1)	Business Management (10-12) (1)	Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2)	Project Management Institute (PMI) Project Management Ready Microsoft Word and Excel Expert	Peterbilt Tetra Pak G. Brint Ryan College of Business - University of North Texas.
Entrepreurship		Entrepreneurship (10-12) (1)	Entrepreneurship II (11-12) (2) (Incubator) (GHS Only)	Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2)*	Entrepreneurship and Small Business	Stoke Denton Wallace Accounting & Advising B Squared – IT Delivered
Accounting and Financial Services	Principles of Business, Marketing & Finance (7-12)(1) or Business Information Management I/Lab (9-12) (2) Money Matters (10-12)	Accounting I (10-12) (1)	Accounting II (11-12) (1) (4th Math Credit)	Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2)	Nocli Accounting Foundations Intuit Quickbooks	John Baines Accounting Point Bank First State Bank
Marketing and Sales	Principles of Business, Marketing & Finance (7-12) (1)	Sports and Entertainment Marketing (10-12) (.5) Entrepreneurship I (9-12) (1)	Social Media Marketing (10-12) (.5) Fundamentals of Real Estate (12) (2)	Practicum in Entrepreneurship (12) (2) or Career Prep (11-12) (2-3)	Stukent Social Media Certification Texas Real Estate License	Sisters Realty TMG Core B Squared- IT Delivered

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BUSINESS AND INDUSTRY ENDORSEMENT

Hospitality and Tourism						
Program of Study	Level 1	Level 2	Level 3	Level 4	Certification	Partnerships
Culinary Arts	Principles of Hospitality (9-12) (1)	Culinary Arts (11-12) (2) Entrepreneurship I (9-12) (1)	Advanced Culinary Arts (12) (2) (LA)	Practicum in Culinary Arts/Extended (12) (3) (LA) or Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2) or Food Science (12) (1)	<i>Food Handler</i> Food Protection Manager Food Safety & Science Certification	Embassy Suites and Convention Food Experience Child Nutrition

Information Technology

Information Technology Support & Services		Computer Maintenance & Lab (10-12) (2) Entrepreneurship I (9-12) (1)	Computer Technician Practicum (11-12) (2)	Computer Technician Practicum (11-12) Career Prep I (11-12) (2-3) or Practicum in Entrepreneurship (12) (2)*	Dell Tech Certified, CompTIA IT Fundamentals+ and CompTIA A+	Dell Corporation
Networking Systems - Cisco	Principals of Information Technology (7-8) [1]	Computer Science (10-12) (1) or AP Computer Science Principles (10-12) (1) Cisco Internetworking Technologies I (11-12) (1) (LA) (Fall Semester) Entrepreneurship I (9-12) (1)	Cisco Internetworking Technologies II (11-12) (1) (LA) (Spring Semester)	Practicum in Information Technology - Cisco III & IV (12) (2) (LA) or Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2)*	Cisco CCNA (200-301) Implementing and Administering Cisco Solutions	Cisco Systems
Programming and Software Development	Fundamentals of Computer Science (9-12) (1)	Computer Science I (10-12) [1] or AP Computer Science Principles (11-12) [1] Entrepreneurship I (9-12) (1)	Computer Science II (11-12) [1] AP Computer Science A (12) [1] IB Computer Science (12) [1]	Computer Science III (12) [1]	Certified Entry-Level Python Programmer (PCEP)	DCTA
Cybersecurity		Computer Science I (10-12) [1] or AP Computer Science Principles (11-12) [1] or Computer Maintenance & Lab (10-12) (2)	Cisco Internetworking Technologies I (11-12) (1)(Level 2) (LA) /Cisco Internetworking Technologies II (11-12) (1) (LA)	Practicum in Information Technology - Cisco III & IV (12) (2) (LA) or Career Prep (11-12) (2-3) or Practicum in Entrepreneurship (12) (2) *	Cisco CCNA (200-301) Implementing and Administering Cisco Solutions	Cisco Systems Ratheon

Manufacturing

Advanced Manufacturing and Industrial Technology (Coming Soon)	Principles of Manufacturing (9-12) (1)	Agricultural Mechanics & Metal Technologies/Lab (10-12)(2) Entrepreneurship I (9-12) (1) Welding I (11-12) (2)		Career Prep I (11-12) (2-3)	NCCER Core	
Welding	Principles of Manufacturing (9-12) (1)	Introduction to Welding (10-12) (1) Entrepreneurship I (9-12) (1)	Welding 1 (11-12) (2) Entrepreneurship I (9-12) (1)	Welding II (12) (2) (LA) or Practicum Entrepreneurship (12) (2) * or Career Prep I (11-12)(2-3)	NCCER Core AWS D9.1 Sheet Metal Welding AWS D1.1 Structural Steel	Allied Welding Automated Safety Hitch Baker Tankhead, Inc ESAB Victor Technologies

Transportation, Distribution, and Logistics

Aviation Technology (US Aviation)	Principles of Transportation (9-12) (1)		Intro to Aircraft Technology (11-12) (1) & Aviation Ground School - (11-12) (1) <i>Located at US Aviation</i>	Practicum in Transportation (12) (2) <i>Located at US Aviation</i>	FAA Part 107 Private Pilot	US Aviation Airplanes and Coffee American Airlines Garrison Aviation
Automotive Technology	Principles of Transportation (9-12) (1)	Introduction to Transportation Technology (10-12) (Level1) (1) & Automotive Basics (10-12) (1) Entrepreneurship I (9-12) 1 Credit	Automotive Technology I: MLR (11-12) (2) (LA)	Automotive Technology II: Auto Service (12) (2) (LA) or Practicum in Entrepreneurship (12)(2)*	ASE Entry Level Automobile Maintenance and Light Repair (MR) ASE Entry-Level Automobile Service Technology	Bill Utter Ford Honda of Denton Ford Motor Company Glenn Polk Ford

PUBLIC SERVICE ENDORSEMENT

Education and Training						
Early Learning	Principles of Education and Training (9-12) (1) (Level1)	Child Development (10-12) (1)	Child Guidance Internship (11-12) (2) Dual Credit Child Guidance	Practicum of Early Learning (12) (2) or Career Prep (11-12)(2-3) Dual Credit Practicum of Early Learning	Early Childhood Education & Care Basic Child Development Associate Educational Aide I	Ann Winstead School for Young Children Virginia Gallian Child Development Center Heritage Nature Academy St. Paul Christian Learning Center
Teaching and Training	Principles of Education and Training (9-12) (1) or Principles of Human Services (7-12) (1)	Child Development (10-12) (1)	Instructional Practices (11-12) (2) (LA) or Instructional Practices Dual Credit (LA)	Practicum in Education & Training (12) (2) (LA) or Career Prep (11-12) (2-3) Dual Credit Practicum in Ed & Training	Early Childhood Education & Care Basic Educational Aide I	University of North Texas Texas Womens University North Central Texas College

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PUBLIC SERVICE ENDORSEMENT

Health Science						
Program of Study	Level 1	Level 2	Level 3	Level 4	Certification	Partnerships
Healthcare Therapeutic & Diagnostics	Principles of Health Science (9-12) (1)	Medical Terminology (9-12) (1)	Health Science Theory & Clinical (11-12) (2) (LA) or Anatomy & Physiology (11-12) (1)	Practicum in Health Science (12) (2) (LA) Medical Assisting (CCMA)	NHA Certified Clinical Medical Assistant	Medical Health Denton Texas Health Presbyterian Hospital NCTC
				Practicum in Health Science (12) (2) (LA) Pharmacology	Pharmacy Technician Certification Board - Pharmacy Technician	Medical Health Denton Texas Health Presbyterian Hospital Walgreen's
				Practicum in Health Science (12) (2) (LA) Patient Care Technician (PCT)	NHA - Patient Care Technician	Baylor Heart Hospital Copper Canyon Nursing Home Cottonwood Nursing and Rehabilitation
				Practicum in Health Science (12) (2) (LA) EMT (Dual Credit)	NREMT - Emergency Medical Technician	City of Denton Fire Dept Med Star Ambulance Lake Dallas Fire Dept, NCTC

Human Services

Family and Community Services	Principles of Human Services (7-8) [1] Dollars and Sense (9-12) [5] Professional Communications (9-12) [5]	Interpersonal Studies (9-12) [5] Child Development (10-12) [1] Entrepreneurship I (9-12) [1]	Family and Community Services (11-12) (1)	Career Prep 1 (11-12) (2-3) or Practicum in Entrepreneurship (12) (2) *	TX Dept of Health and Human Services - Community Health Worker	Denton Co MHMR UBH (United Behavioral Health)
Cosmetology		Principles of Cosmetology Design & Color Theory (Level1) / Introduction to Cosmetology (10-12) (2) Entrepreneurship I (9-12) (1)	Cosmetology I / Nail Care, Enhancements, and Spa Services (11-12) (4) (LA)	Cosmetology II / Practicum in HS - Cosmetology (12) (4) (LA)	TDLR - Cosmetology Operator License	Lash Up Brow Down Christie Danielle Salon Denton Color Lab Armstrong McCall

Law, Public Safety, Corrections and Security

Legal Studies		Court Systems and Practices (11-12) (1)	Advanced Legal Skills and Professions (11-12) (1)	Pre-Law Practicum (12) (2) (LA) or Career Prep I (11-12) (2-3) Forensic Science (11-12) (1) (Science Credit)	None	Denton Co District Attorneys Office
Law Enforcement	Principles of Law, Public Safety, Corrections and Security (9-12) (1)	Forensic Psychology (10-12) (1)	Law Enforcement 1 (11-12) (1) (LA) / Law Enforcement 2 (11-12) (1) (LA)	Forensic Science (11-12) (1) (LA) (Fourth Science) & Criminal Investigation (11-12) (1) (LA) or Practicum in Public Safety, Corrections & Security (12) (2) (LA) (Lab & Rotation)	TOPS - Non-Commissioned Security Officer Level II	City of Denton Police Dept Denton County Police Dept
Fire Science			Firefighter I (11) (2) (LA) Dual Credit & Anatomy and Physiology (11-12) (1)	Firefighter II (12) (3) (LA) Dual Credit / Basic (12)(1) (LA) Dual Credit	EMT Texas Commission on Fire Protection - Basic Structure Fire Protection	City of Denton Fire Dept Med Star Ambulance Lake Dallas Fire Dept

STEM: Science, Technology, Engineering and Math Endorsement

STEM: Engineering

Engineering -Project Lead the Way	Introduction to Engineering Design (9-12) (1)	AC/DC Electronics (10-12) (1)	Practicum in STEM I- Engineering (11-12) (2) (LA)	Practicum in STEM II - Engineering (12) (2) (LA) or Career Prep (11-12) (2-3)	AutoDesk Certified User: Inventor	Flowers Bakery Mayday Corporation
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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.