

Denton ISD Career and Technical Education Programs of Study

Denton Independent School District offers a variety of Programs of Study within thirteen Career Clusters. These programs fall into the five endorsements areas for graduation as indicated below. With so many options, students must plan carefully to enhance their skill portfolio. In addition to the state graduation core requirements students are encouraged to select an endorsement to support their career goal. It is vital to understand that many opportunities are available through Career and Technical Education (CTE); that provide an "added value" beyond the high school diploma. For instance, currently there are options in CTE for students to earn college credits, industry certifications and licensures that will increase employability skills and allow students to go directly into the workforce. To maximise students learning and earn certifications, student are highly encouraged to follow their programs of study. For more information contact your career counselor.

Denton ISD Career Counselors

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9th Grade	10th Grade	11th Grade	12th Grade
Business and Industry Endorsement			
Agriculture, Food, and Natural Resources			
Applied Agricultural Engineering			
Principles of Agriculture, Food & Natural Resources (9-12) (1) (PC) (Level 1)*	Agricultural Mechanics & Metal Technologies/Lab (10-12)(2)(Level 2)	Agricultural Structures Design & Fabrication/ Lab (11-12) (2) (Advanced) (Level 3)	Project Based Research in Ag (12) (1) (Advanced) (Level 4)
Animal Science			
Principles of Agriculture, Food & Natural Resources (9-12) (1) (PC) (Level 1)*	Small Animal Management(10-12) (.5)/Equine Science (10-12) (.5) (Level 2)	Livestock Production (10-12) (1) (Advanced) (level 3)	Advanced Animal Science (11-12) (1) (Fourth Science Credit) (Advanced) (Level 4)
Animal Science - Pre Vet			
Principles of Agriculture, Food & Natural Resources (9-12) (1)(PC) (Level 1)*	Small Animal Management(10-12) (.5)/Equine Science (10-12) (.5) (Level 2) or Livestock Production (10-12) (1) (Level 3)	Vet Medical Applications (11-12) (1) (Advanced) (Level 4)	Practicum in Ag - Veterinary Medical Applications (12) (2) (Adv) (Level 4)
Agribusiness			
Principles of Agriculture, Food & Natural Resources (9-12) (1)(PC) (Level 1)*		Career Prep (11-12) (2-3) (Advanced) (level 4)	Practicum in Entrepreneurship (12) (2)* (Advanced) (PC) (Level 4)
Plant Science			
Principles of Agriculture, Food & Natural Resources (9-12) (1)(PC) (Level 1)*	Floral Design/Lab (10-12) (2) (Fine Arts) (Level 3)	Advanced Floral Design (11-12) (1) (Advanced) (Level 4) or Horticulture Science/Lab (11-12) (1) (Level 3)	Practicum in Ag - Floral Design (12) (2) (Advanced) (Level 4)
Architecture and Construction			
Architectural Design - Interior			
	Architectural Design 1 (10-12) (1) (Level 2) DHS Only- Principles of Architecture/ Architecture Design (10-12) (2) (Level 2)	Interior Design I (10-12) (1) (Level 2)	Interior Design II (11-12) (2) (Advanced) Level 3) or Career Prep (11-12) (2-3) (Advanced) (Level 4)
Architectural Design			
	Architectural Design 1 (10-12) (1) (Level 2) DHS Only- Principles of Architecture/Architecture Design (10-12) (2) @ ATC (Level 2)	Architectural Design II (11-12) (2) (Advanced) (Level 3)	Practicum in Architectural Design (12) (2) (Advanced) (Level 4)
Electrical - Dual Credit (Located at DHS)			
			Electrical Technology I (12) (Fall)/Electrical II (12) (2) Dual Credit (Spring) (Level 2/3)
HVAC and Sheet Metal - Dual Credit (Located at DHS)			
		Heating Ventilation & Air Conditioning I (11-12) (1) / Sheet Metal Technology (11-12) (1) (Advanced) Dual Credit (Level 2/3)	Heating Ventilation & Air Conditioning II (12) (2) (Advanced) (Level 3) or Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 4)
Arts, A/V Technology and Communication			
Digital Communications			
Professional Communications (9-12) (.5) (Level 1)	Principles of Arts, Audio/Video Tech & Communications (7-12) (1) (Level 1)	Audio/Video Production I & Lab (11-12) (2) (Level 2)	Audio/Video Production II & Lab (12) (2) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 3/4)
Graphic Design and Multimedia Arts - Animation			
	Principles of Arts, Audio/Video Tech & Communications (7-12) (1) (Level 1)	Animation I & Lab (11-12) (2) (Level 2) (Level 2)	Animation II & Lab (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 3/4)

* Graduation Waiver for Speech

Graphic Design and Multimedia Arts - Graphic Design			
	Principles of Arts, Audio/Video Tech & Communications (7-12) (1) (Level 1)	Graphic Design and Illustration I & Lab (11-12) (2) (Level 2)	Graphic Design & Illustration II & Lab (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 3/4)
Graphic Design and Multimedia Arts - Commercial Photography			
	Principles of Arts, Audio/Video Tech & Communications (7-12) (1) (Level 1)	Commercial Photography I & Lab (11-12) (2) or Dual Credit Commercial Photo I & Lab (11-12) (Level 2)	Commercial Photography II & Lab (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) Dual Credit Commercial Photo I & Lab (11-12) or Practicum in Entrepren (12) (2) * (Advanced) (Level 3/4)
Business and Industry Endorsement			
Business Management and Administration, Marketing, Finance			
Business Management			
Principles of Business, Marketing & Finance (7-12) (1) (Level 1)	Business Information Management I/Lab (9-12) (2) (Level 1)	Human Resources Management (11-12) (.5) / Global Business (11-12) (.5) or Business Information Mangement II/Lab (10-12) (2) (Level 3/2)	Business Management (10-12) (1) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 3/4)
Entrepreneurship			
Principles of Business, Marketing & Finance (7-12) (1) (Level 1)	Business Information Management I/Lab (9-12) (2) (Level 1) or Entrepreneurship (10-12) (1) (Advanced) (Level 2)	Entrepreneurship II (11-12) (2) (Advanced) (Level 3) (Incubator)	Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepneuership (12) (2)* (Advanced) (Level 4)
Accounting and Financial Services			
Principles of Business, Marketing & Finance (7-12) (1) (Level 1)	Accounting I (10-12) (1) (Level 2) or Business Information Management I (9-12) (1)	Accounting II (11-12) (1) (Advanced) (4th Math Credit) (Level 3)	Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 4)
Marketing and Sales			
Principles of Business, Marketing & Finance (7-12) (1) (Level 1)	Sports and Entertainment Marketing (10-12) (.5) (Level 2) and Social Media Marketing (10-12) (.5) (Level 3)	Career Prep (11-12) (2-3) (Advanced) (Level 4)	Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 4) Fundamentals of Real Estate (12) (2) (Advanced) (Level 3)
Hospitality and Tourism			
Lodging and Resort Management			
		Hospitality Services (11-12) (2) (Advanced) (Level 3)	Practicum in Hospitality Services (12) (2) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 4)
Culinary Arts			
	Introduction to Culinary Arts (10-12) (1) (Level 1)	Culinary Arts (11-12) (2) (Advanced) (Level 2)	Advanced Culinary Arts (12) (2) (L3) or Food Science (12) (1) (Advanced) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 4)
Culinary Arts - Food Truck			
	Introduction to Culinary Arts (10-12) (1) (Level 1)	Culinary Arts (11-12) (2) (Advanced) (Level 2)	Practicum in Culinary Arts (12) (3) or Career Prep (11-12) (2-3) (Advanced) (Level 4)
Travel, Tourism, and Attractions			
	Entrepreneurship (10-12) (1) Level 2) or Sports and Entertainment Marketing (10-12) (.5) (Level 2)	Global Business (11-12) (.5) (Advanced) (Level 3)	Practicum in Entrepneuership (12) (2) * (Level 4) or Career Prep (11-12) (2-3) (Advanced) (Level 4)
Information Technology			
Information Technology Support & Services			
Principals of Information Technology (MS Only)	Computer Maintenance & Lab (10-12) (2) (Advanced) (Level 2)	Computer Technician Practicum (11-12) (2) or Career Prep (11-12) (2-3) (Advanced) (Level 3/4)	Computer Technicain Practicum (11-12) (2nd time) Career Prep I (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 4)
Networking Systems - Cisco			
Principals of Information Technology (MS Only)	Computer Science (10-12) (1) (Level 1) or AP Computer Science Principles (10-12) (1) (Level 2)	Cisco Internetworking Technologies I (11-12) (1) /Cisco Internetworking Technologies II (11-12) (1) (Advanced) (Level 2/3)	Practicum in Information Technology - Cisco III & IV (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 4)

Manufacturing			
Manufacturing Technology			
Principles of Applied Eng - (MS ONLY)	BHS Only - Principles of Manufacturing (9-12) (1) (Level 1)	Precision Metal Manufacturing I (11-12) (2) (Advanced) (Level 3)	Precision Metal Manufacturing II (12) (2) (Advanced) or Practicum in Entrepreneurship (12) (2)* (Advanced) (Level 4)
Welding			
	Introduction to Welding (10-12) (1) (Level 1)	Welding 1 (11-12) (2) (Level 2)	Welding II (12) (2) (Advanced) or Practicum Entrepreneurship (12) (2) * (Advanced) (Level 3/4) Career Prep I (11-12)(2-3)(Level 4)
Transportation, Distribution, and Logistics			
Aviation Maintiance - @ US Aviation			
		Intro to Aircraft Technology (11-12) (1) (Level 1) & Aviation Ground School (Level 3) (Advanced)	Aircraft Airframe Technology (12) [2] (Level 3) (Advanced)
Aviation Technology @ US Aviation			
		Intro to Aircraft Technology (11-12) (1) & Aviation Ground School - (11-12) (1) (Level 3) (Advanced)	Practicum in Transportation (12) (2) (Advanced) (Level 4) - at US Aviation
Automotive Technology			
	Principles of Transportation Systems (10-12) (1) & Automotives Basics(10-12) (1) (Level 1)	Automotive Technology I: MLR (11-12) (2) (Advanced) (Level 3)	Automotive Technology II: Auto Service (12) (2) or Practicum in Entrepreneurship (12)(2)* (Advanced) (Level 4)
Public Service Endorsement			
Education and Training			
Early Learning			
Principles of Education and Training (9-12) (1) (Level1)	Child Development (10-12) (1) (Level 2)	Child Guidance Internship (11-12) (2) (Advanced) (Level 3) Dual Credit Child Guidance (Level 3)	Practicum of Early Learning (12) (2) or Career Prep (11-12)(2-3) (Advanced) (Level 4) Dual Credit Practicum of Early Learning (Level 4)
Teaching and Training			
Principles of Education and Training (9-12) (1) or Principles of Human Services (7-12) (1) (Level 1)	Child Development (10-12) (1) (Level 2)	Instructional Practices (11-12) (2) (Advanced) or Instructional Practices Dual Credit (TSI) (Level 3)	Practicum in Education & Training (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) Dual Credit Practicum in Ed & Training (TSI) (Level 4)
Health Science			
Healthcare Therapeutic & Diagnostics - Medical Assisting (CCMA)			
	Principles of Health Science (9-12) (1) (Level 1)	Health Science Theory & Clinical (11-12) (2) (Advanced) or Anatomy & Physiology (11-12) (1) (Level 3/4)	Practicum in Health Science (12) (2) Medical Assisting (CCMA)(Level 4) (Advanced)
Healthcare Therapeutic & Diagnostics - Pharmacology			
	Principles of Health Science (9-12) (1) (Level 1)	Health Science Theory & Clinical (11-12) (2) (Advanced) or Anatomy & Physiology (11-12) (1) (Level 3/4)	Practicum in Health Science (12) (2) Pharmacology (Advanced) (Level 4)
Healthcare Therapeutic & Diagnostics - Certified Nursing Assistant C.N.A/PCT			
	Principles of Health Science (9-12) (1) (Level 1)	Health Science Theory & Clinical (11-12) (2) (Advanced) or Anatomy & Physiology (11-12) (1) (Level 3/4)	Practicum in Health Science (12) (2) Certified Nursing Assistant/PCT (Advanced) (Level 4)
Exercise Science and Wellness			
Lifetime Nutrition and Wellness MS ONLY		Anatomy and Physiology (11-12) (1) (Level 3) (Advanced) (Level 4)	Practicum in Entrepreneurship (12) (2) (Advanced) (Level 3/4) Career Prep I (11-12) (2-3) (Level 4)
Healthcare Therapeutic & Diagnostics - Emergency Medical Technician (EMT)			
	Principles of Health Science (9-12) (1) (Level 1)	Health Science Theory & Clinical (11-12) (2) (Advanced) or Anatomy & Physiology (11-12) (1) (Level 4)	Practicum in Health Science (12) (2) EMT (Advanced) (Dual Credit)
Human Services			
Family and Community Services			
Interpersonal Studies (7-12) [.5] (Level 1) and Professional Communications (9-12) [.5] (Level 1) Lifetime Food and Nutrition MS ONLY (7-8) [1] (Level 2)	Principal of Human Services (7-12) [1] (Level 1) or Dollars and Sense (9-12) [.5] (Level 1) or Child Development (10-12) [1] (Level 2)	Counseling and Mental Health (11-12) (1) (Advanced) (level 3)	Family and Community Services (11-12) (1) (Advanced) (Level 3) or Career Prep 1 (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2) *(Advanced) (Level 4)
Cosmetology			
	Principles of Cosmetology Design & Color Theory / Introduction to Cosmetology (10-12) (2)(Level 1)	Cosmetology I (Level 3)/ Nail Care, Enhancements, and Spa Services (Level 3)(11-12) (4) (Advanced)	Cosmetology II / Practicum in HS - Cosmetology (12) (4) (Advanced) (Level 4)

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Law, Public Safety, Corrections and Security			
Legal Studies			
	Principles of Law, Public Safety, Corrections and Security (9-12) (1) (Level 1)	Practicum in Law - Court Systems & Practices (11-12) (2) (Advanced) (Level 4)	Pre-Law Practicum (12) (2) (Advanced) or Career Prep I (11-12) (2-3) (Level 4)
Law Enforcement - Forensics Science			
Principles of Law, Public Safety, Corrections and Security (9-12) (1) (Level 1)	Forensic Psychology (10-12) (1) (Level 3)	Law Enforcement 1 (11-12) (1) / Law Enforcement 2 (11-12) (1) (Advanced) (Level 2/3) or Counseling and Mental Health (11-12) (1) (Level 4)	Forensic Science (11-12) (1) (Fourth Science) (Advanced) & Criminal Investigation (11-12) (1) (Advanced) (Level 4/2)
Law Enforcement			
Principles of Law, Public Safety, Corrections and Security (9-12) (1) (Level 1)	Forensic Psychology (10-12) (1) (Level 3)	Law Enforcement 1 (11-12) (1) (Advanced) / Law Enforcement 2 (11-12) (1) (Advanced) Counseling and Mental Health (11-12) (Advanced)	Practicum in Public Safety, Corrections & Security (12) (2) (Advanced) (Lab & Rotation)
Emergency Services -Firefighter			
	Principles of Law, Public Safety, Corrections and Security (9-12) (1) (Level 1)	Firefighter I (11) (2) (Advanced) Dual Credit & Anatomy and Physiology (11-12) (1) (Level 3)	Firefighter II (12) (3) (Advanced) Dual Credit EMT Basic (12)(1) Dual Credit (Level 4)
STEM: Science, Technology, Engineering, & Mathematics Endorsement			
STEM: Science, Technology, Engineering and Math Endorsement			
Engineering -Project Lead the Way			
Introduction to Engineering Design (9-12) (1) (Level1)	Principles of Applied Eng - Digital Electronics (10-12) (1) (Level 1)	Practicum in STEM I- Engineering (11-12) (2) (Advanced) (Level 4)	Practicum in STEM II - Engineering (12) (2) (Advanced) (Level 4)
Programming and Software Development			
Fundamentals of Computer Science (9-12) (1) (Level 1)	Computer Science I (10-12) [1] (Level 2) or AP Computer Science Principles (11-12) [1] (Level 2)	Computer Science II (11-12) [1] (Level 3)	Computer Science III (12) [1] (Advanced) AP Computer Science A (12) [1] (Advanced) IB Computer Science (12) [1] (Advanced) (Level 3)
Cybersecurity			
Principles of IT - MS Only Fundamentals of Computer Science (9-12) [1] (Level 1)	Computer Science I (10-12) [1] (Level 2) or AP Computer Science Principles (11-12) [1] (Level 2)	Cisco Internetworking Technologies I (11-12) (1) /Cisco Internetworking Technologies II (11-12) (1) (Advanced) (Level 2/3)	Practicum in Information Technology - Cisco III & IV (12) (2) (Advanced) or Career Prep (11-12) (2-3) (Advanced) or Practicum in Entrepreneurship (12) (2) * (Advanced) (Level 4)
Advanced Engineering -Project Lead the Way - DHS Only			
	Introduction to Engineering Design (9-12) (1) and Principles of Applied Eng - Digital Electronics (10-12) (1) (Level 1)	Practicum in STEM 1(11-12) (2) (Advanced) (level 4)	Practicum in STEM 2 - Engineering (12) (2) (Advanced) (Level 4)
Denton ISD Academic Programs of Study			
Journalism, Newspaper and Yearbook			
Professional Communications (9-12) (.5)	Advanced Journalism 1	Advanced Journalism 2 - Newspaper	Advanced Journalism 3 - Newspaper
Professional Communications (9-12) (.5)	Advanced Journalism 1	Advanced Journalism 2 - Yearbook	Advanced Journalism 3 - Yearbook
Professional Communications (9-12) (.5)	Debate 1	Debate 2	Debate 3
Public Service Endorsement			
AFROTC			
JROTC 1	JROTC 2	JROTC 3	JROTC 4
STEM: Science, Technology, Engineering & Math Endorsement			
Math Sequence - Regular, Honors, AP or IB			
Algebra 1	Geometry	Algebra 2	2 Additional Math Courses
Additional Math Courses: Pre-Calculus, Advanced Quantitative Reasoning, AP Statistics, AP Calculus AB or BC, AP Computer Science, Accounting II			
Science Sequence - Regular, Honors, AP or IB			
Biology	Chemistry	Physics	2 Additional Science Courses
Science Choices: Anatomy and Physiology, Aquatic Scienfic, Environmental Systems, Scientific Research & Design, Food Science, Forensic Science, Advanced Animal Science, Astronomy			

Arts and Humanities Endorsement

Social Studies

World Geography or AP Human Geography	World History	US History	Government/Economics
Additional Social Studies Courses: AP European History (11-12), Sociology (.5) (11-12), Psychology (.5)/AP Psychology (.5) (11-12), Personal Financial Literacy (.5)			

World Language

French 1	French 2/Honors French 2	Honors French 3	AP French 4
German 1	German 2/Honors German 2	Honors German 3	AP German 4
Latin 1	Latin 2/Honors Latin 2	Honors Latin 3	AP Latin 4
American Sign Language 1	American Sign Language 2	American Sign Language 3	American Sign Language 4
Spanish 1/Honors Spanish 1	Spanish 2/Honors Spanish 2	Spanish 3/Honors Spanish 3	AP Spanish 4/AP Spanish 5

Fine Arts

Art 1	Art 2 - Drawing, Painting, Ceramics, Sculpture	Art 3 - Drawing, Painting, Ceramics, Sculpture	Art 4 - Drawing, Painting, Ceramics, Sculpture
Dance 1	Dance 2	Dance 3	Dance 4
Music 1 - Band, Choir, Orchestra	Music 2 - Band, Choir, Orchestra	Music 3 - Band, Choir, Orchestra	Music 4 - Band, Choir, Orchestra
Theatre 1: Theatre Arts, Theatre Production, Technical Theatre	Theatre 2: Theatre Arts, Theatre Production, Technical Theatre	Theatre 3: Theatre Arts, Theatre Production, Technical Theatre	Theatre 4: Theatre Arts, Theatre Production, Technical Theatre

OR A coherent sequence of credits by selecting courses from two of the four fine arts categories (art, dance, theatre, music [band, choir, orchestra]).
For sample fine arts schedules, including pathways to achieve multiple endorsements, please visit <https://www.dentonisd.org/Page/101463>

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.

4/26/2023