

# Denton ISD Career and Technical Education Recommended Sequences

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.A11

## Denton ISD Career Counselors

**Jeanie Bragg, Guyer High School, (940)369-1033, jbragg@dentonisd.org**  
**Courtney Skaggs, Ryan High School, (940)369-3025, cskaggs@dentonisd.org**  
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**Susan Reyes, Advanced Technology Complex, (940)369-4838, sreyes@dentonisd.org**

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

**Graphic Design and Multimedia Arts - Commercial Photography**

Professional Communications (9-12) (.5)	Principles of Arts, Audio/Video Tech & Communications (9-12) (1)	Commercial Photography I & Lab (11-12) (2) (Advanced)	Commercial Photography II & Lab (12) (2) (Advanced)
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# Business and Industry Endorsement

**Business Management and Administration, Marketing, Finance****Data Management**

Professional Communications (9-12) (.5)	Principles of Business, Marketing & Finance (9-12) (1) and Business Information Management I (9-12) (1)	Business Information Management II (10-12) (1) (Advanced)	Career Prep (11-12) (2-3) (Advanced)
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**Business Management**

Professional Communications (9-12) (.5)	Principles of Business, Marketing & Finance (9-12) (1) and Business Information Management I (9-12) (1)	Human Resources Management (11-12) (.5) / Global Business (11-12) (.5)	Business Management (10-12) (1) or Career Prep (11-12) (2-3) (Advanced)
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**Entrepreneurship**

Professional Communications (9-12) (.5)	Principles of Business, Marketing & Finance (9-12) (1) and Business Information Management I (9-12) (1)	Human Resources Management (11-12) (.5) / Global Business (11-12) (.5) (Advanced)	Entrepreneurship (10-12) (1) (Advanced) or Career Prep (11-12) (2-3) (Advanced)
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**Accounting and Financial Services**

Professional Communications (9-12) (.5)	Principles of Business, Marketing & Finance (9-12) (1)	Accounting I (10-12) (1)	Accounting II (11-12) (1) (Advanced) (4th Math Credit)
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**Marketing and Sales**

Professional Communications (9-12) (.5)	Business Information Management I (9-12) (1) and Principles of Business, Marketing & Finance (9-12) (1)	Advertising (10-12) (.5) / Sports and Entertainment Marketing (10-12) (.5)	Entrepreneurship (10-12) (1) (Advanced) or Career Prep (11-12) (2-3) (Advanced)
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**Hospitality and Tourism****Lodging and Resort Management**

Professional Communications (9-12) (.5)	Introduction to Culinary Arts (10-12) (1)	Hospitality Services (11-12) (2) (Advanced)	Practicum in Hospitality Services (12) (2) (Advanced)
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**Culinary Arts**

Professional Communications (9-12) (.5)	Introduction to Culinary Arts (10-12) (1)	Culinary Arts (11-12) (2) (Advanced)	Advanced Culinary Arts (12) (2) (Advanced)
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**Culinary Arts - Food Truck**

Professional Communications (9-12) (.5)	Introduction to Culinary Arts (10-12) (1)	Culinary Arts (11-12) (2) (Advanced)	Practicum in Culinary Arts (11-12) (3) (Advanced)
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**Information Technology****Information Technology Support & Services**

Professional Communications (9-12) (.5)	Business Information Management I (9-12) (1)	Computer Maintenance & Lab (11-12) (2) (Advanced)	Computer Technician Practicum (12) (2) (Advanced)
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**Networking Systems - Cisco**

Professional Communications (9-12) (.5)	Business Information Management I (9-12) (1) or Computer Science (10-12) (1) *	Cisco Internetworking Technologies I (11-12) (1) / Cisco Internetworking Technologies II (11-12) (1)	Practicum in Information Technology - Cisco III & IV (Advanced)
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**Manufacturing****Manufacturing Technology**

Professional Communications (9-12) (.5)	Principles of Manufacturing (9-12) (1) or Introduction to Welding (10-12) (1)	Precision Metal Manufacturing I (11-12) (2) (Advanced)	Precision Metal Manufacturing II (12) (2) (Advanced)
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**Welding**

Professional Communications (9-12) (.5)	Introduction to Welding (10-12) (1)	Welding 1 (11-12) (2) (Advanced)	Welding II (12) (2) (Advanced)
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**Transportation, Distribution, and Logistics****Automotive Technology**

Professional Communications (9-12) (.5)	Principles of Transportation Systems (10-12) (1) & Automotives Basics (10-12) (1)	Automotive Technology I: MLR (11-12) (2) (Advanced)	Automotive Technology II: Auto Service (12) (2) (Advanced)
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# Public Service Endorsement

**Education and Training****Teaching and Training**

Professional Communications (9-12) (.5)	Principles of Education and Training (9-12) (1) or Human Growth & Development (10-12) (1)	Instructional Practices (11-12) (2) <b>(Advanced)</b>	Practicum in Education & Training (12) (2) <b>(Advanced)</b>
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## Public Service Endorsement

### Health Science

#### Healthcare Therapeutic - Medical Assisting (CCMA)

Professional Communications (9-12) (.5)	Principles of Health Science (10-12) (1)	Health Science Theory & Clinical (11-12) (2) <b>(Advanced)</b>	Practicum in Health Science (12) (2) Medical Assisting (CCMA) <b>(Advanced)</b>
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#### Healthcare Therapeutic - Pharmacology

Professional Communications (9-12) (.5)	Principles of Health Science (10-12) (1)	Health Science Theory & Clinical (11-12) (2) <b>(Advanced)</b>	Practicum in Health Science (12) (2) Pharmacology <b>(Advanced)</b>
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#### Healthcare Therapeutic - Certified Nursing Assistant (C.N.A)

Professional Communications (9-12) (.5)	Principles of Health Science (10-12) (1)	Health Science Theory & Clinical (11-12) (2) <b>(Advanced)</b>	Practicum in Health Science (12) (2) Certified Nursing Assistant <b>(Advanced)</b>
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#### Healthcare Therapeutic - Emergency Medical Technician (EMT)

Professional Communications (9-12) (.5)	Principles of Health Science (10-12) (1)	Health Science Theory & Clinical (11-12) (2) <b>(Advanced)</b>	Practicum in Health Science (12) (2) EMT <b>(Advanced)</b> (Dual Credit)
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### Human Services

#### Early Learning (Ed & Train POS)

Professional Communications (9-12) (.5)	Child Development (10-12) (1)	Child Guidance Internship (11-12) (2) <b>(Advanced)</b>	Child Guidance Internship (11-12) (2) <b>(Advanced)</b> or Practicum of Human Services - Child Guidance Internship (12) (2)
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#### Family and Community Services

Professional Communications (9-12) (.5)	Principles of Human Services (7-12) (1)	Human Growth & Development Interpersonal Studies (10-12) [.5] /Dollars & Sense (10-12) [.5]	Counseling and Mental Health (11-12) (1) <b>(Advanced)</b> or Career Prep 1 (11-12) (2-3) <b>(Advanced)</b>
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#### Cosmetology

Professional Communications (9-12) (.5)	Principles of Cosmetology Design & Color Theory / Introduction to Cosmetology (10-12) (2)	Cosmetology I / Practicum in HS - Cosmetology (11-12) (4) <b>(Advanced)</b>	Cosmetology II / Practicum in HS - Cosmetology (12) (4) <b>(Advanced)</b>
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### Law, Public Safety, Corrections and Security

#### Legal Studies

Professional Communications (9-12) (.5)	Principles of Law, Public Safety, Corrections and Security (9-12) (1)	Court Systems & Practices (11-12) (1) <b>(Advanced)</b> / Correctional Systems (11-12) (1) <b>(Advanced)</b>	Pre-Law Practicum (12) (2) <b>(Advanced)</b>
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#### Law Enforcement - Forensics Science

Professional Communications (9-12) (.5)	Principles of Law, Public Safety, Corrections and Security (9-12) (1)	Law Enforcement I (11-12) (1) <b>(Advanced)</b> / Law Enforcement II (11-12) (1) <b>(Advanced)</b>	Forensic Science (11-12) (1) (Fourth Science) <b>(Advanced)</b> and Criminal Investigation (11-12) (1) <b>(Advanced)</b>
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#### Law Enforcement

Professional Communications (9-12) (.5)	Principles of Law, Public Safety, Corrections and Security (9-12) (1)	Law Enforcement 1 (11-12) (1) <b>(Advanced)</b> / Law Enforcement II (11-12) (1) <b>(Advanced)</b>	Practicum in Public Safety, Corrections & Security (12) (2) <b>(Advanced)</b>
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#### Emergency Services -Firefighter

Professional Communications (9-12) (.5)	Principles of Health Science (9-12) (1) or Principles of Law, Public Safety, Corrections and Security (9-12) (1)	Fire Fighter I (11) (2) <b>(Advanced)</b> Dual Credit	Fire Fighter II (12) (3) <b>(Advanced)</b> Dual Credit
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## STEM: Science, Technology, Engineering, & Mathematics Endorsement

### STEM: Science, Technology, Engineering and Math Endorsement

#### Advanced Engineering -Project Lead the Way

Professional Communications (9-12) (.5) and Introduction to Engineering Design (9-12) (1)	Principles of Applied Eng - Digital Electronics (10-12) (1)	Engineering Science (11-12) (1) and Robotics I (11-12) (1)	Practicum in STEM - Engineering (12) (2)
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#### Advanced Engineering -Project Lead the Way - DHS Only

Professional Communications (9-12) (.5)	Introduction to Engineering Design (9-12) (1) and Principles of Applied Eng - Digital Electronics (10-12) (1)	Engineering Science (11-12) (1) and Robotics I (11-12) (1)	Practicum in STEM - Engineering (12) (2)
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## Denton ISD Academic Endorsement Coherent Sequences

# Business and Industry Academic Endorsement

### 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
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# STEM: Science, Technology, Engineering & Math Endorsement

### Math Sequence - Regular, Honors, AP or IB

Algebra 1	Geometry	Algebra 2	2 Additional Math Courses
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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
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Science Choices: Anatomy and Physiology, Aquatic Scientific, Environmental Systems, Scientific Research & Design, Food Science, Forensic Science, Advanced Animal Science, Engineering Science

## Arts and Humanities Endorsement

### Social Studies

World Geography or AP Human Geography	World History	US History	Government/Economics
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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>

The Denton Independent School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its program and activities. The following people have been designated to handle inquiries regarding the non-discrimination policies:

District Liaison for Title II of ADA and Section 504,  
Dr. Lacey Rainey, Area Superintendent  
1307 N Locust Street Denton TX 76201  
[lrainey@dentonisd.org](mailto:lrainey@dentonisd.org), 940-369-0031.

District Liaison for Title VI and Title IX Dr.  
Gwen Perkins, Area Superintendent  
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