

# EMS ISD Programs of Study 2024-2025

## Agriculture, Food and Natural Resources

Veterinary Science			Plant Science		
Grade	Course	Cr	Grade	Course	Cr
9th-10th	Prin of Agricult#	1	9th-10th	Prin of Agricult#	1
10th-11th	Sm Animal & Equine# OR Livestock#	.5	9th-10th	Floral Design <sup>R</sup>	1
		.5	11th-12th	Greenhouse Oper (TCC Dual Cr)***	2
11th-12th	Vet Med Appl & Adv Animal Sci*	2	12th	Horticulture Sci & Adv Plant/Soil (TCC Dual Cr)***	2
12th	Pract in Ag*	2			

*Elanco Vet Med Applications; CVA*

*Texas State Floral Knowledge Based*

## Hospitality and Tourism

Culinary Arts		
Grade	Course	Cr
7th-8th	Prin of Hosp <sup>R</sup>	1
9th-10th	Intro to Culinary#	1
10th-11th	Culinary Arts*	2
11th-12th	Adv Culinary*	2
12th	Pract in Culinary*	2

*Serv Safe Food Handler & Manager*

## Manufacturing

Welding		
Grade	Course	Cr
9th-10th	Intro to Welding#	1
11th	Welding 1*	2
12th	Welding 2*	2

*AWS - API 1104, SMAW, GMAW, D1.1*

## Education and Training

Education		
Grade	Course	Cr
9th	Prin of Education#	1
10th	Child Dev <sup>R</sup>	1
10th-11th	Instruct Practices#*	2
11th-12th	Practicum in Ed 1 and 2*	2

*Educational Aide 1*

## Arts, A/V, and Communications

Audio/Video Production			Animation and Video Game Design		
Grade	Course	Cr	Grade	Course	Cr
9th-10th	Prin A/V#	1	9th-10th	Digital Media#	1
10th -11th	Audio/Video Prod 1*	2	10th-11th	Animation and Video Game Design*	2
11th-12th	Video Prod 2* OR Digital Audio Tech 1 & 2*	2	11th-12th	Advanced Animation OR Advanced Vid Gam Design*	2

*Adobe Premiere Pro*

*Adobe Photoshop and Illustrator*

## Construction & Electrical Tech

Construction/Electrical		
Grade	Course	Cr
9th-10th	Prin of Construct.#	1
12th	Electrical 1 & 2*	3

*Electrical Apprentice Level 1*

## Human Services

Family and Community Services		
Grade	Course	Cr
8th-9th	Prin of Hum Svc	1
10th	Dollars & Sense & Interpers Std	.5 .5
11th	Couns & Mnt Hlth	1
12th	Family and Community Capstone	1

*Community Health Worker*

## Cosmetology

Grade	Course	Cr
11th	Intro to Cosmo & Cosmetology 1*	3
12th	Cosmetology 2*	3

*Cosmetology Operator, Barbering*

## Business, Marketing and Finance

Finance: SIE			Entrepreneurship NEW*		
Grade	Course	Cr	Grade	Course	Cr
8th-10th	Bus Info Mgmt 1 OR Prin of Bus,Mkt, F# OR Money Matters#	1	8th-9th	Bus Info Mgmt	1
			9th-10th	Prin of Bus,Mkt,F#	1
11th	Accounting 1	1	11th	Entrepreneurship	1
12th	Secu/Inves & Financial Analysis*	2	12th	Entrepreneurship 2	1

*Accounting Basics*

*Entrepreneurship and Small Business*

## Law, Public Safety, Corrections and Security

Law Enforcement			Legal Studies		
Grade	Course	Cr	Grade	Course	Cr
9th-10th	Prin of Law#	1	9th-10th	Prin of Law#	1
11th	Law Enforce 1	1	10th -11th	Crts 1:Cts Sys & Prac/Bus Law*	2
12th	Law Enfor 2* & Federal Law Enf*	2	11th-12th	Crts 2; Legal Res & Wri/Adv Crt*	2
11-12th	Forensic Sci* <sup>R</sup>	1	11th-12th	Forensic Sci* <sup>R</sup>	1

*911 Telecommunicator*

Emergency Services		
Grade	Course	Cr
9th-10th	Prin of Law#	1
11th	Fire Technology 1 (TCC Dual Cr)***	2
11th	Anat/Phys	1
12th	EMR	2

*Emergency Medical Responder,  
Phlebotomy*

R Course is recommended  
# Course is prerequisite to advanced courses

\* Course is at HCTC and may include additional costs  
\*\* Course is at TCC Alliance

\*\*\* Course is at TCC NW  
^Dual Credit Course

# EMS ISD Programs of Study 2024-2025

## Science, Technology, Engineering, Mathematics, and Information Technology

Engineering			Networking and Cybersecurity		
Grade	Course	Cr	Grade	Course	Cr
8th-9th	Prin of Appl Engin#	1	9th-10th	Prin of Info Tech#	1
10th	Intro to Robotics <sup>R</sup>	1	10th-11th	Networking Security/Lab* <sup>^</sup>	2
10th-12th	MET 1/MET 2*	2	11th-12th	Foundations of Cybersecurity Capstone*	2
11-12th	Aerospace Eng 1* <b>OR</b> Drone Eng*	2			

*Fusion 360, Certified Solidworks Associate*

*CISCO RS-Tech, CCNA*

## Transportation, Distribution and Logistics

Aircraft Maintenance			Automotive		
Grade	Course	Cr	Grade	Course	Cr
9th-10th	Intro to Transp#	.5	9th-10th	Intro to Transp#	.5
11th	Intro to Aircraft**	3	10th-11th	Auto Tech 1* <sup>^</sup>	2
12th	Aircraft Pwrplnt**	3	11th-12th	Auto Tech 2* <sup>^</sup>	2
			12th	Practicum in Auto*	2

*ASE - Brakes, Steering and Suspension, Electrical, Engine Performance, and Maintenance and Liht Repair*

Learn more by scanning!



## Health Science Technology

Biomedical Science			Health Science			Health Science: Diagnostic and Therapeutic Services			Health Science: Diagnostic and Therapeutic Services		
Grade	Course	Cr	Grade	Course	Cr	Grade	Course	Cr	Grade	Course	Cr
9th	Princ of Hlth Sci#	1	9th	Princ of Hlth Sci	1	9th	Princ of Hlth Sci#	1	9th	Princ of Hlth Sci#	1
10th	Medical Term <sup>R</sup>	1	10th	Medical Term	1	10th	Medical Term <sup>R</sup>	1	10th	Medical Term <sup>R</sup>	1
11th - 12th	Anat/Phys <b>OR</b> Pathophysiology	1	11th-12th	Anatomy/Phys	1	11th	Hlth Sci Thry*: SM	2	11th - 12th	Anat/Phys <b>OR</b> Pathophysiology	1
11th -12th	Biomed Rsch	2	11th-12th	Pathophysiology	1	12th	Practicum in HST*: PCT, EMR, PT	2	12th	Hlth Sci Thry*:SM, PCT, EMR, PT	2

*EKG Tech, Phlebotomy, Patient Care Technician  
Emergency Medical Responder, Phlebotomy  
Pharmacy Technician*

*EKG Tech, Phlebotomy, Patient Care Technician  
Emergency Medical Responder, Phlebotomy  
Pharmacy Technician*

### CAREER AND TECHNICAL EDUCATION

**INTEGRATING**  
education and the workplace.

**ENGAGING**  
students in their educational journey.

**FOSTERING**  
a commitment to post-secondary education.

**PREPARING**  
students to create their future in the 21st-century workforce.

We are dedicated to preparation for success in high-demand occupations in a competitive global economy.

#EMS\_CTE #EMSProud



### Boswell HS CCRS

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### Chisholm Trail HS CCRS

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### Saginaw HS CCRS

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### Eagle Mountain HS CCRS

**COMING SOON!**

### CTE Department

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^Dual Credit Course