

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 ^R	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
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 ^R	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	Audio/Video Prod 2* OR Digital Audio Tech*	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	Child Dev	1
12th	Couns & Mnt Hlth	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
11th	Accounting 1	1	9th-10th	Prin of Bus,Mkt,F#	1
12th	Secu/Inves & Financial Analysis*	2	11th	Entrepreneurship	1
			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* ^R	1	11th-12th	Forensic Sci* ^R	1

911 Telecommunicator

Emergency Services		
Grade	Course	Cr
9th-10th	Prin of Law#	1
11th	Fire Fighter 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

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 ^R	1	10th-11th	Networking Security/Lab*	2
10th-12th	MET 1/MET 2*	2	11th-12th	Foundations of Cybersecurity Capstone*	2
11-12th	Aerospace Eng 1* OR 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*	2
12th	Aircraft Pwrplnt**	3	11th-12th	Auto Tech 2*	2
			12th	Practicum in Auto*	2

ASE - Brakes, Steering and Suspension, Electrical, Engine Performance, and Maintenance and Light 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 ^R	1	10th	Medical Term	1	10th	Medical Term ^R	1	10th	Medical Term ^R	1
11th - 12th	Anat/Phys OR Pathophysiology	1	11th-12th	Anatomy/Phys	1	11th	Hlth Sci Thry*: SM	2	11th - 12th	Anat/Phys OR 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*

CTE Department

Dana Eldredge, Director of Career and Technical Education
deldredge@ems-isd.net

Kasey Meuth, CTE Specialist
kmeuth@ems-isd.net

Hollenstein Carer and Technology Center

Kimberly Traylor, Principal
ktaylor@ems-isd.net

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

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