

EMS ISD Endorsements

STEM All STEM must include Algebra 2, Chemistry, and Physics

Aeroscience

Grade	Course	Cr
8th-10th	Prin of Appl Engin	1
11th	Aeroscience 1*	2
12th	Aeroscience 2*	2

Robotics

Grade	Course	Cr
8th-10th	Prin of Appl Engin	1
11th	Robotics*	2
12th	Aeroscience 1*	2

Math

Grade	Course	Cr
8th-9th	Algebra 1	1
9th-10th	Geometry	1
10th-11th	Algebra 2	1
11th-12th	Adv Math	1
12th	Adv Math	1

Science

Grade	Course	Cr
9th	Biology	1
10th	Chemistry	1
11th	Physics	1
12th	Adv Science	1
11th-12th	Adv Science	1

Computer Science

Grade	Course	Cr
10th	Chemistry	1
10th-11th	Algebra 2	1
11th	Physics	1
9th-11th	AP Comp Sci Prin	1
9th-11th	PAP Comp Sci	1
11th-12th	AP Comp Sci	1

Business & Industry

Video Production

Grade	Course	Cr
9th-10th	Prin A/V	1
11th	Video Prod 1*	2
12th	Video Prod 2*	2

Audio Production

Grade	Course	Cr
9th-10th	Prin A/V	1
11th	Digital Aud Tech*	2
12th	Audio Prod*	2

Graphic Design

Grade	Course	Cr
9th-10th	Digital Media	1
11th	Graphic Design 1*	2
12th	Graphic Design 2*	2

Animation

Grade	Course	Cr
9th-10th	Digital Media	1
11th	Animation 1*	2
12th	Animation 2*	2

Culinary Arts

Grade	Course	Cr
9th-10th	Intro to Culinary	1
11th	Culinary Arts*	2
12th	Adv Culinary*	2

Information Technology

Grade	Course	Cr
9th-10th	Prin of Info Tech	1
11th	Computer Tech*	2
12th	Networking*	2

Manufacturing Engineering

Grade	Course	Cr
9th-10th	Engin Design	1
11th	Precision Metal*	2
12th	Manufact Engin*	2

Welding

Grade	Course	Cr
9th-10th	Ag Metal & Mech	1
11th	Welding 1*	2
12th	Welding 2*	2

Automotive

Grade	Course	Cr
9th-10th	Intro to Transp	.5
11th	Auto Tech 1*	2
12th	Auto Tech 2*	2

Aircraft

Grade	Course	Cr
9th-10th	Intro to Transp	.5
11th	Intro to Aircraft**	3
12th	Aircraft PwrPlnt**	3

Business

Grade	Course	Cr
9th	Prin of Bus,Mkt,F	1
10th	Bus Info Mgmt 1	1
11th	Bus Info Mgmt 2	1
12th	Bus Management OR Bus Law	1

Marketing

Grade	Course	Cr
9th	Prin of Bus,Mkt,F	1
10th	Sprt/Ent Mkt & Advertising	.5 .5
11th	Bus Management OR Bus Law	1
12th	Entrepreneurship	1

Finance

Grade	Course	Cr
9th	Prin of Bus,Mkt,F	1
10th	Money Matters	1
11th	Accounting 1	1
12th	Accounting 2	1

Grade	Course	Cr
9th-12th	English Elective	1
9th-12th	Debate 1, 2, & 3 OR 10th-12th Newsppr 1, 2, & 3 OR 10th-12th Yearbook 1, 2, & 3	3

Architecture

Grade	Course	Cr
9th-10th	Prin of Architect.	1
11th	Architect. Des. 1	1
12th	Architect. Des. 2*	2

Construction

Grade	Course	Cr
9th-10th	Prin of Construct.	1
11th	Construct. Tech 1*	2
12th	Construct. Tech 2*	2

* Course is at HCTC and may include additional cost

** Course is at TCC Alliance

^R Course is recommended

Public Service

Education

Grade	Course	Cr
9th	Prin of Education	1
10th	Hum Grth & Dev ^R	1
11th	Instruct Practices*	2
12th	Practicum in Ed*	2

Health Science

Grade	Course	Cr
9th	Princ of Hlth Sci	1
10th	Medical Term	1
11th-12th	Anatomy/Phys	1
11th-12th	Pathophysiology	1

Health Science

Grade	Course	Cr
9th	Princ of Hlth Sci	1
10th	Medical Term ^R	1
11th	Clin Rotations* OR Sports Med*	2
12th	Practicum inHST*: PCT, EMT, EKG, PT	2

Health Science

Grade	Course	Cr
9th	Princ of Hlth Sci	1
10th	Medical Term ^R	1
11th-12th	Anat/Phys OR Pathophysiology	1
11th-12th	Hlth Sci Thry*:SM, PCT, EMT, EKG, PT	2

Health Science

Grade	Course	Cr
9th	Princ of Hlth Sci	1
10th	Medical Term ^R	1
11th	Clin Rotations* OR Sports Med*	2
12th	Anat/Phys OR Pathophysiology	1

Human Services

Grade	Course	Cr
8th-9th	Prin of Hum Svc	1
10th	Lifetime Nutr & Interpers Std	.5 .5
11th	Hum Grth & Dev	1
12th	Couns & Mnt Hlth	1

Human Services/Cosmetology

Grade	Course	Cr
8th-10th	Prin of Hum Svc	1
11th	Cosmetology 1*	3
12th	Cosmetology 2*	3

Law Enforcement

Grade	Course	Cr
9th-10th	Prin of Law	1
11th	Law Enfor 1* & Correct Svc*	2
12th	Law Enfor 2* & Federal Law Enf*	2

Law Enforcement

Grade	Course	Cr
9th-10th	Prin of Law	1
11th	Court Systems* & Intro to Am Law*	2
12th	Practic in Law* & Safety Correct*	2

Law Enforcement

Grade	Course	Cr
9th-10th	Prin of Law	1
11th	Fire Fighter 1 *DC	2
12th	Fire Fighter 2 *DC	3

Military Science

Grade	Course	Cr
9th-12th	JROTC 1, 2, 3, & 4	4

Arts & Humanities

Grade	Course	Cr
9th	W/H Geography	1
10th	W History	1
11th	US History	1
12th	Govt/Econ	1
10th-12th	SS Elective	1

Grade	Course	Cr
8th-12th	Same Language	4

Grade	Course	Cr
8th-12th	Language 1	2
8th-12th	Language 2	2

Grade	Course	Cr
9th-12th	Sequence of FA: Art, Band, Choir, Dance, Theatre	4

Multidisciplinary

Grade	Course	Cr
9th-12th	4 credits in each core subject	16

Must include
Eng 4 & Chem or
Physics

Grade	Course	Cr
9th-12th	4 credits in AP courses	4

Eng, math, sci,
soc st, language,
and/or fine arts

Graduation Requirements

English Language Arts (4 credits) - English 1, English 2, English 3, Advanced English

Mathematics (4 credits) - Algebra 1, Geometry, Algebra 2, Advanced Math

Social Studies (4 credits) - World Geography, World History, US History, US Government & Economics

Science (4 credits) - Biology, IPC, Chemistry or Physics; and 2 Advanced Sciences

World Language (2 credits) - Year 1 and Year 2 of the same language

Fine Arts (1 credit) - Choose from the following: band, choir, dance, theatre, art 1 or floral design

Physical Education (1 credit) - Choose one beginning level of the following: athletics, PE (girls/boys fitness, outdoor adventure, individual team sports)

Electives (6 credits) - These choices could be classes that help you work toward your endorsement. Or, additional classes such as year 3 and 4 of world language or multiple years of fine art.

* Course is at HCTC and may include additional cost

** Course is at TCC Alliance

^R Course is recommended