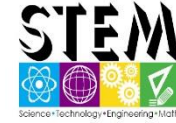


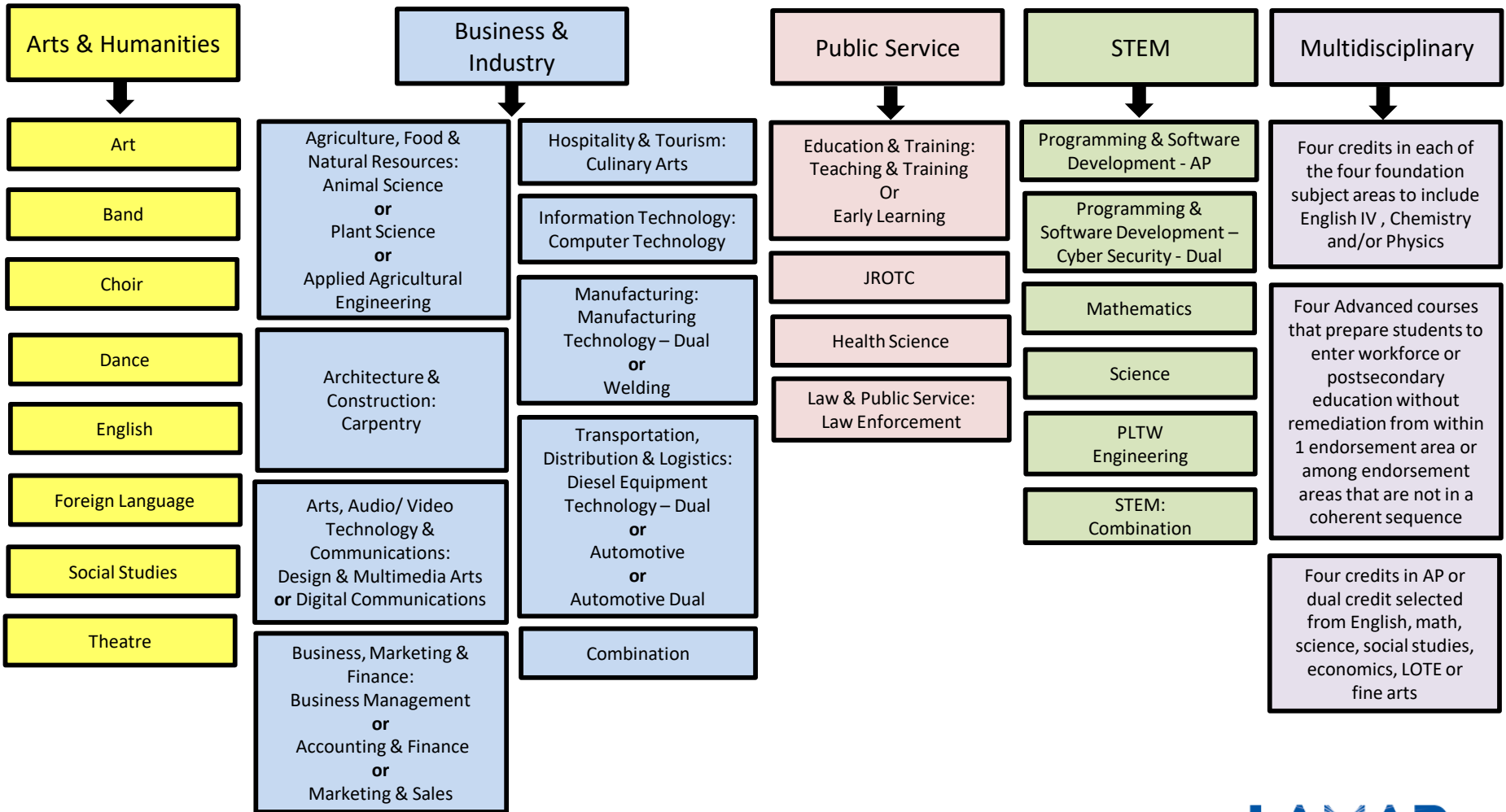
Multidisciplinary

LCISD Programs of Study By Endorsement 2021-2022

**PUBLIC
SERVICES**



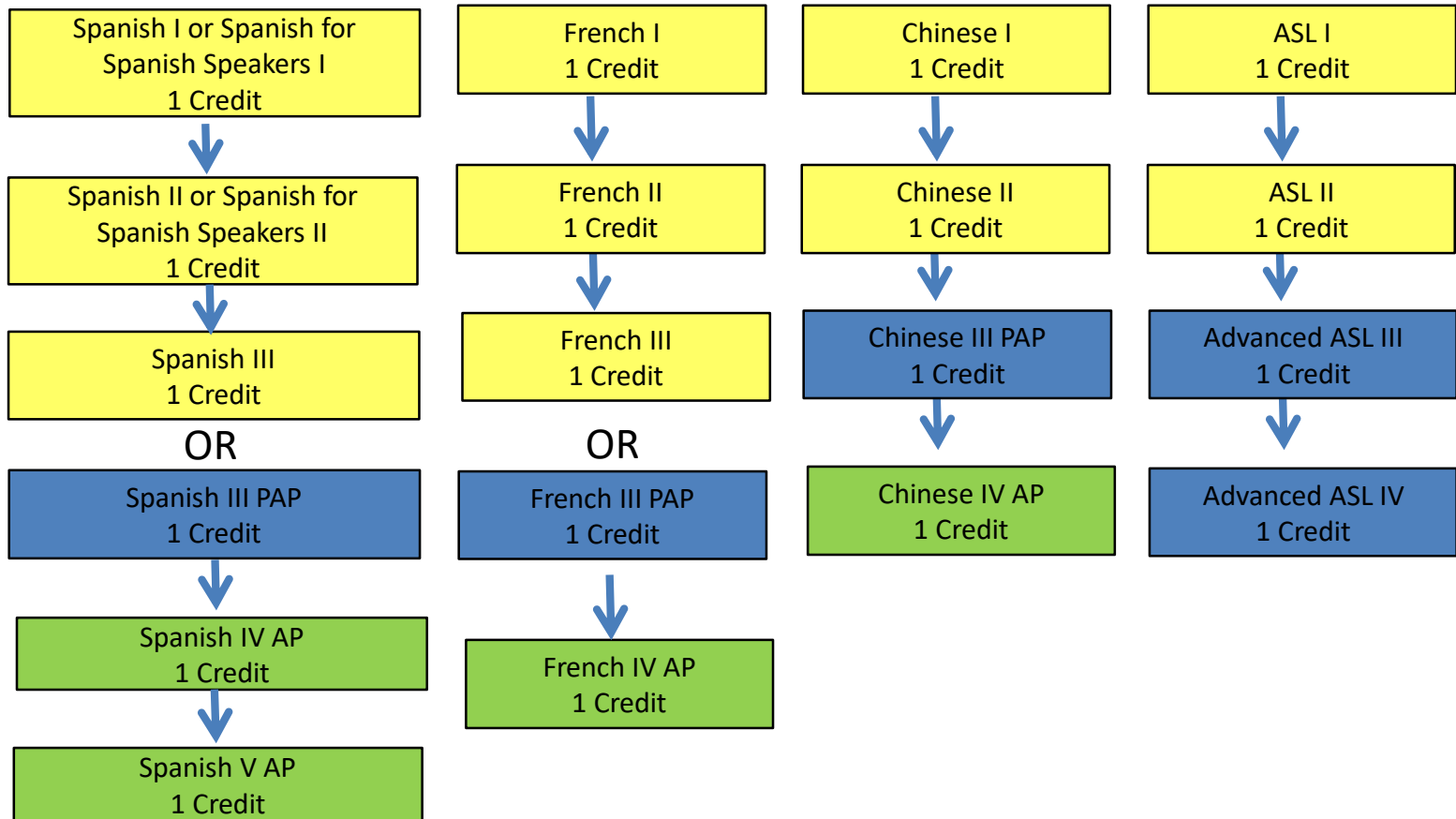
**ARTS
& humanities**



Arts & Humanities Endorsement

4 Credits in the **SAME** Language Sequence

2021-2022



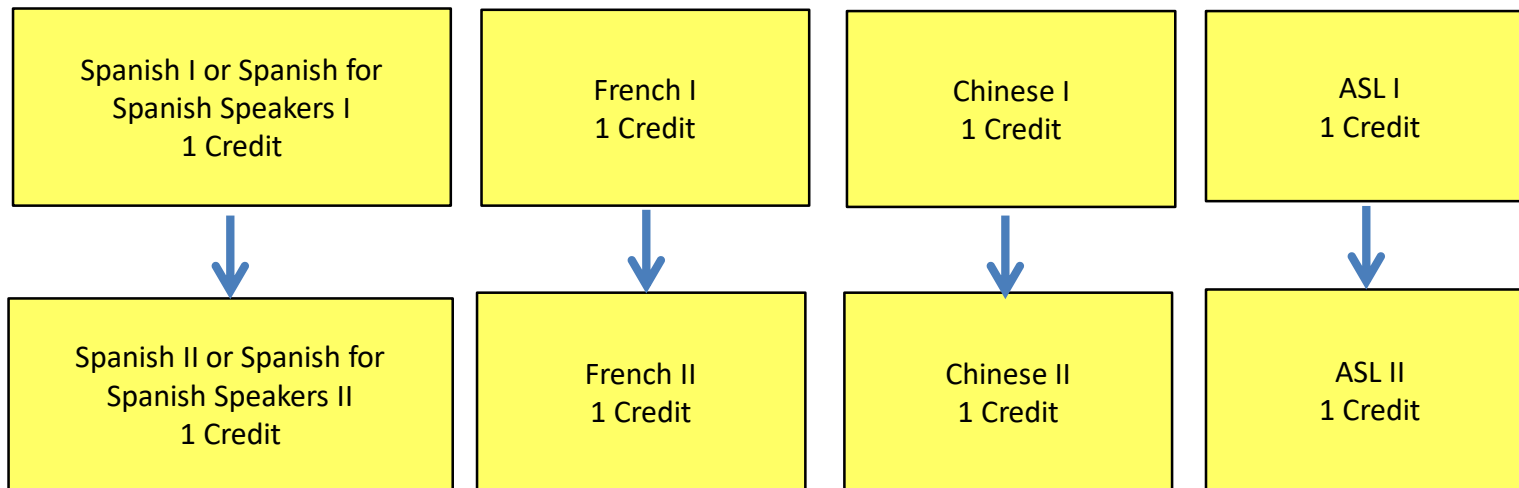
- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

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Arts & Humanities Endorsement

2 Credits each in 2 **different** Language Sequences

2021-2022

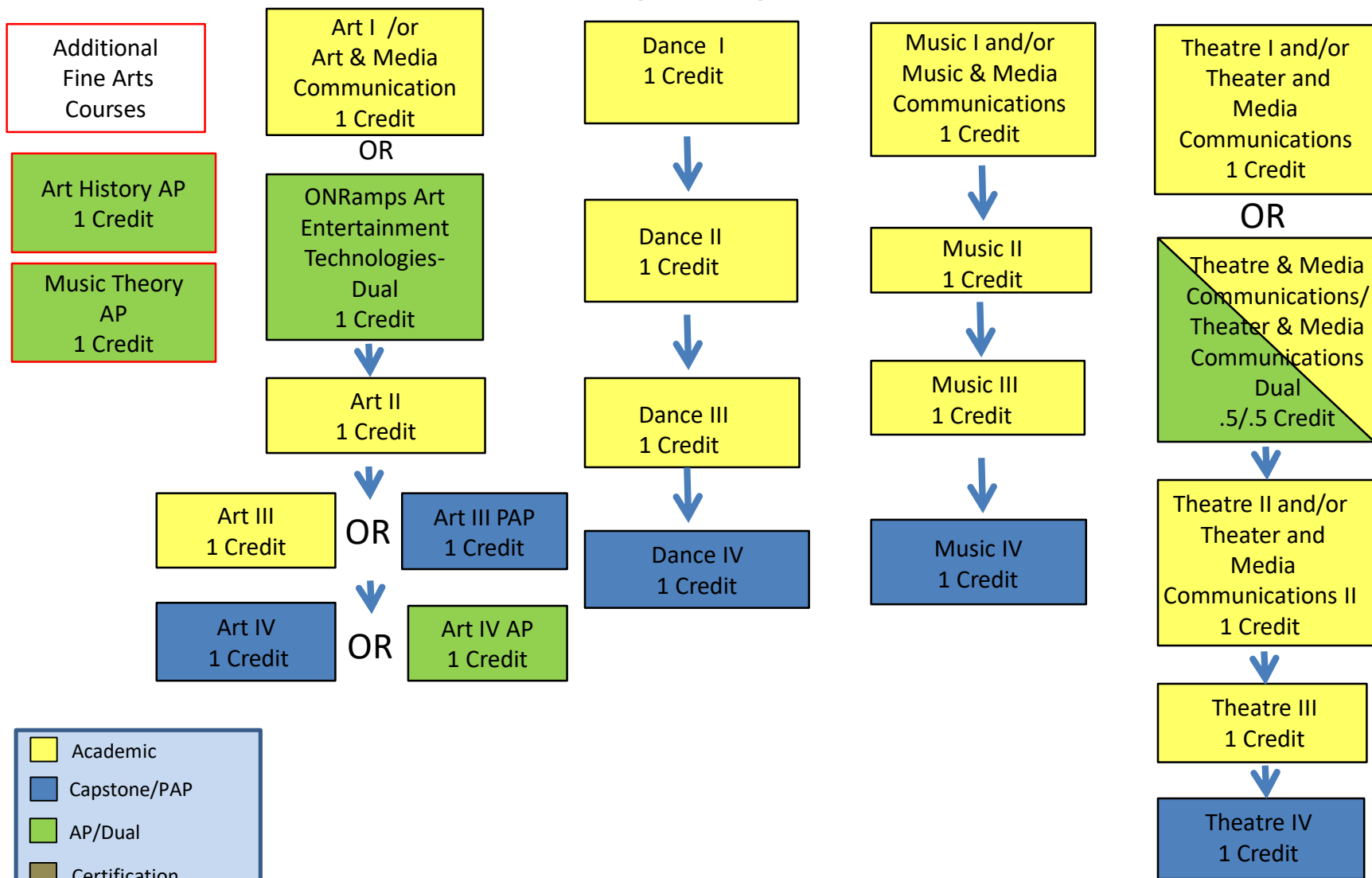


- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

Arts & Humanities Endorsement

4 Credits in 1 or 2 Subject Areas in Fine Art Sequence

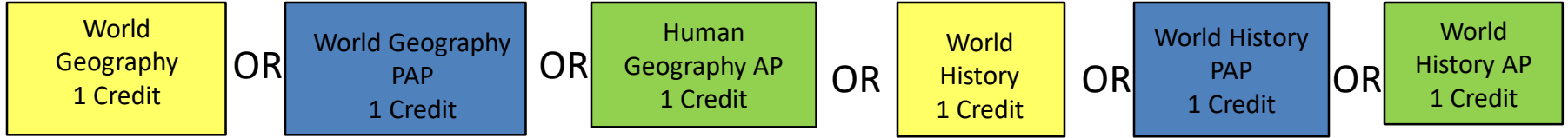
2021-2022



Arts & Humanities Endorsement: Social Studies

5 credits in Social Studies

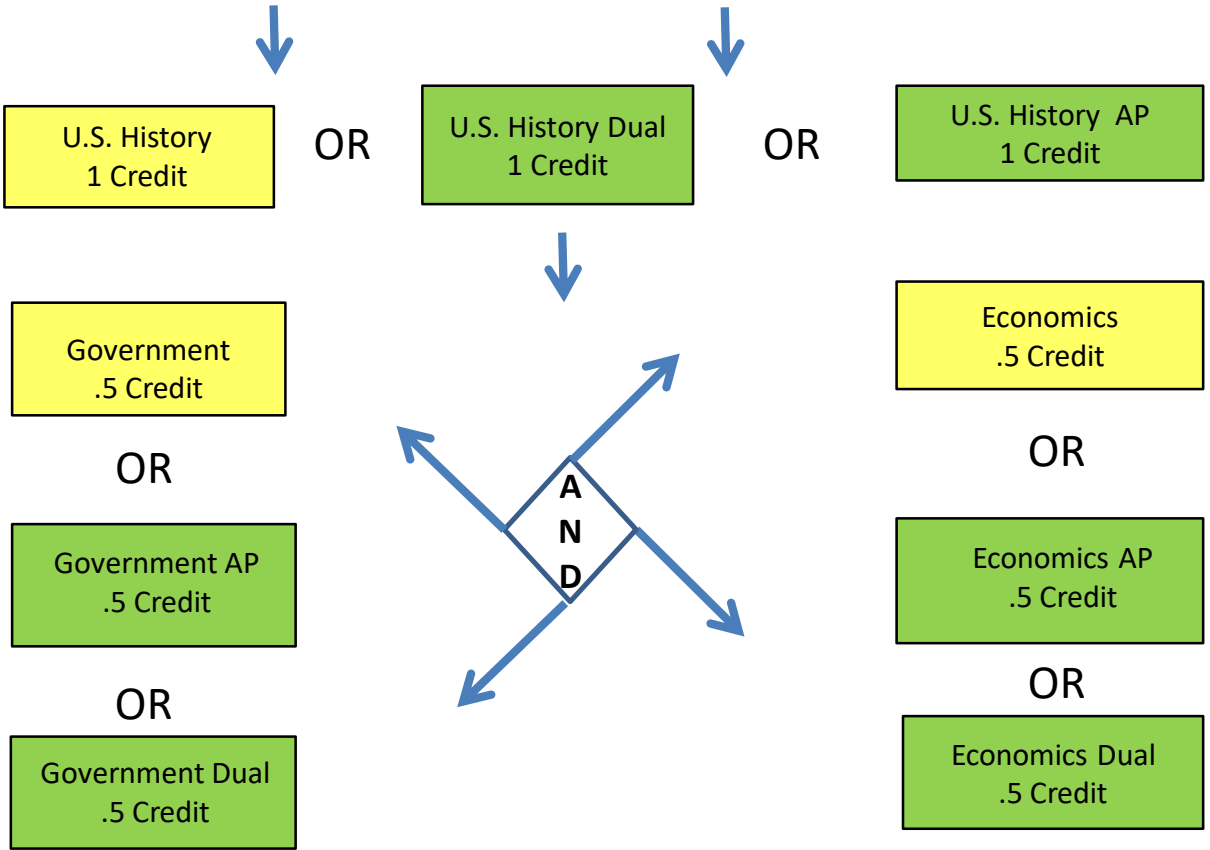
2021-2022



Additional Social Studies Courses

- Psychology .5 Credit
- Psychology PAP .5 Credit
- Psychology -Dual .5 Credit
- Psychology AP .5 Credit
- Personal Financial Literacy .5 Credit
- Sociology .5 Credit
- Mexican American Studies 1 Credit
- Special Topics in Social Studies : African American Studies 1Credit
- European History AP 1 Credit

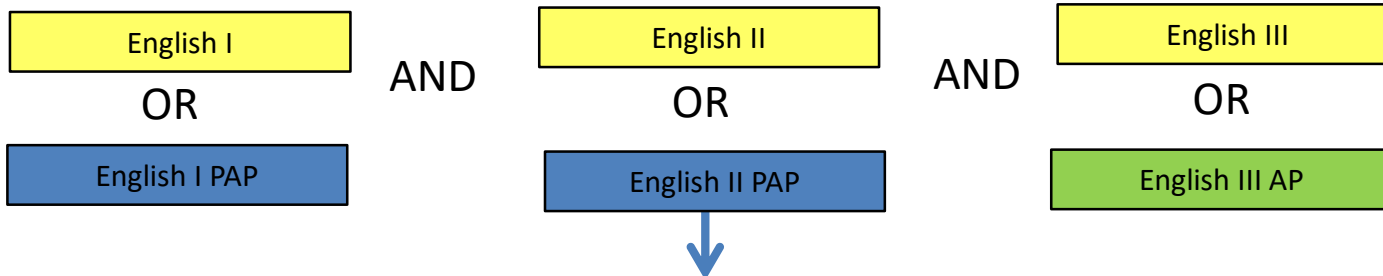
- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



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Arts & Humanities Endorsement: English

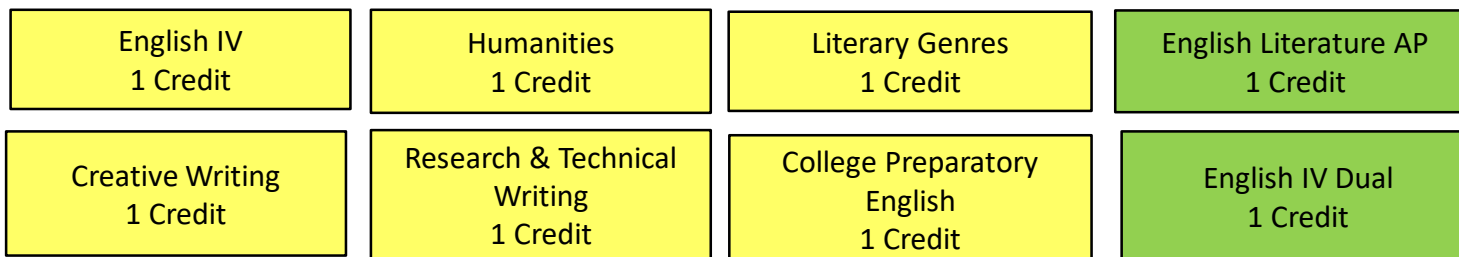
7 credits in English 2021-2022



(1) Advanced English credit from one of the following Advanced Courses:
 English IV, Creative Writing, Humanities, Literary Genres, Research & Technical Writing, Debate III,
 Oral Interpretation III, IS Speech, IS Journalism, Advanced Journalism III, Newspaper III, Yearbook III, AP English Literature &
 Composition, Dual Credit English, College Prep English

AND

(3) Additional Credits from any of the following, not taken previously



- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

Business/Industry Endorsement: English

(4) English elective credits

2021-2022



(1) Advanced English credit from one of the following Advanced Courses:
 English IV, Creative Writing, Humanities, Literary Genres, Research & Technical Writing, Debate III,
 Oral Interpretation III, IS Speech, IS Journalism, Advanced Journalism III, Newspaper III, Yearbook III, AP English Literature &
 Composition, Dual Credit English, College Prep English



Three (3) levels in one of the following :

Journalism 1 Credit	Journalism 1 Credit	Journalism 1 Credit	Debate I 1 Credit
Advanced Broadcast: Journalism I 1 Credit	Advanced Journalism: Newspaper I 1 Credit	Advanced Journalism: Yearbook I 1 Credit	Debate II 1 Credit
Advanced Broadcast: Journalism II 1 Credit	Advanced Journalism: Newspaper II 1 Credit	Advanced Journalism: Yearbook II 1 Credit	Debate III 1 Credit
Advanced Broadcast: Journalism III 1 Credit	Advanced Journalism: Newspaper III 1 Credit	Advanced Journalism: Yearbook III 1 Credit	Independent Study in Speech (Debate IV) 1 Credit

 Academic
 Capstone/PAP
 AP/Dual
 Certification
 Offered in 8 th Grade

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Business/Industry Endorsement Agriculture, Food, & Natural Resources 2021-2022



Additional Elective
Courses

Agribusiness
Management &
Marketing
1 Credit

Livestock
Production
1 Credit

Principles of
Applied
Engineering
1 Credit

Principles of
Technology
1 Credit

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

Principles of Agriculture, Food & Natural Resources
1 Credit

Choose Pathway

Animal Science

Small Animal Management .5 Credit **AND** Equine Science .5 Credit

Veterinary Medical Applications
1 Credit

Advanced Animal Science
1 Credit

OR

Practicum in Agriculture Food & Natural Resources (Veterinary Medical Applications) 2 Credits
Extended Practicum 3 credits
Veterinary Assistant Level 1 Certification

Plant Science

Floral Design 1 Credit
Texas State Floral Association, Level 1 Certification

Horticultural Science
1 Credit

Landscape Design & Management .5 Credit

AND

Turf Grass Management .5 Credit

AND/OR

Advanced Plant & Soil Science 1 Credit
Wastewater Collections, Class 1 and Water Operators, Class D Certification

Applied Agricultural Engineering

Agricultural Mechanics & Metal Technologies
1 Credit

Agricultural Structures Design & Fabrication Technologies
1 Credit

Practicum in Agriculture Food & Natural Resources Applied Agricultural Engineering 2 Credits
Extended Practicum 3 credits
AWS Certification

Practicum in Agriculture Food & Natural Resources Applied Agricultural Engineering (2nd time) 2 Credits
Extended Practicum (2nd time) 3 credits
AWS Certification



Business/Industry Endorsement Manufacturing 2021-2022



Additional Elective Course(s)

For students taking Agriculture, Food & Natural Resources in 8th grade, complete **Agricultural Mechanics & Metal Technologies** 1 Credit in 9th grade and **Agricultural Structures Design & Fabrication** 1 Credit in 10th grade

Principles of Applied Engineering 1 Credit

Principles of Technology 1 Credit

Agribusiness Management & Marketing 1 Credit

Introduction to Process Technology- Dual (WCJC) (*) Principles of Technology required - 1 credit (Fall)

Petrochemical Safety, Health & Environment- Dual (WCJC) 1 Credit (Spring)

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

Principles of Agriculture, Food & Natural Resources
1 Credit



Agricultural Mechanics & Metal Technologies
1 Credit

Choose Pathway

Manufacturing Technology



Precision Metal Manufacturing I
Dual (TSTC)
2 Credits



Precision Metal Manufacturing II
Dual (TSTC)
2 Credits

Welding



Welding I
2 Credits
AWS Certification

OR

Welding I
Dual (TSTC)
2 Credits



Welding II
2 Credits
AWS Certification

OR

Welding II
Dual (TSTC)
2 Credits



Transportation provided to and from TSTC during the school day.

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Business/Industry Endorsement

Manufacturing: Manufacturing Technology

Industry Certification Course Sequence 2021-2022



For students taking Agriculture, Food & Natural Resources in 8th grade, complete **Agricultural Mechanics & Metal Technologies** 1 Credit in 9th grade and **Agricultural Structures Design & Fabrication** 1 Credit in 10th grade

9 th Grade			11 th Grade		
SM1	SM2		SM1	SM2	
Requirements			Requirements		
English I	✓	✓	English III	✓	✓
Algebra	✓	✓	Algebra II	✓	✓
Bio	✓	✓	3 rd Science	✓	✓
Wld. Geo/ or Wld. History	✓	✓	Govt/Eco	✓	✓
PE	✓	✓	Elective	✓	✓
LOTE YR 1	✓	✓	Precision Metal Manufacturing I 7184WD	✓	✓
Agricultural Mechanic & Metal Technologies	✓	✓	Precision Metal Manufacturing I 7184WD	✓	✓
10 th Grade			12 th Grade		
SM1	SM2		SM1	SM2	
Requirements			Requirements		
English II	✓	✓	English IV	✓	✓
Geometry	✓	✓	4 th Math	✓	✓
Chem/Phys/IPC	✓	✓	4 th Science	✓	✓
US History	✓	✓	Elective	✓	✓
Fine Art	✓	✓	Elective	✓	✓
LOTE YR 2	✓	✓	Precision Metal Manufacturing II 7186WD	✓	✓
Agricultural Structures & Design Fabrication	✓	✓	Precision Metal Manufacturing II 7186WD	✓	✓

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- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



Business/Industry Endorsement

Manufacturing: Manufacturing Technology

Industry Certification Course Sequence 2021-2022



For students beginning their Pathway in 9th grade

9 th Grade			11 th Grade		
SM1	SM2		SM1	SM2	
Requirements			Requirements		
English I	✓	✓	English III	✓	✓
Algebra	✓	✓	Algebra II	✓	✓
Bio	✓	✓	3 rd Science	✓	✓
Wld. Geo/ or Wld. History	✓	✓	Govt/Eco	✓	✓
PE	✓	✓	Elective	✓	✓
LOTE YR 1	✓	✓	Precision Metal Manufacturing I 7184WD	✓	✓
Principles of Agriculture, Food & Natural Resources	✓	✓	Precision Metal Manufacturing I 7184WD	✓	✓
10 th Grade			12 th Grade		
SM1	SM2		SM1	SM2	
Requirements			Requirements		
English II	✓	✓	English IV	✓	✓
Geometry	✓	✓	4 th Math	✓	✓
Chem/Phys/IPC	✓	✓	4 th Science	✓	✓
US History	✓	✓	Elective	✓	✓
Fine Art	✓	✓	Elective	✓	✓
LOTE YR 2	✓	✓	Precision Metal Manufacturing II 7186WD	✓	✓
Agricultural Mechanic & Metal Technologies	✓	✓	Precision Metal Manufacturing II 7186WD	✓	✓

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- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



Business/Industry Endorsement Manufacturing: Welding

Industry Certification Course Sequence 2021-2022



Additional Elective Courses

For students taking Agriculture, Food & Natural Resources in 8th grade, complete **Agricultural Mechanics & Metal Technologies 1 Credit** In 9th grade and **Agricultural Structures Design & Fabrication 1 Credit** In 10th grade

9 th Grade	SM1	SM2	11 th Grade	SM 1	SM2
Requirements			Requirements		
English I	✓	✓	English III	✓	✓
Algebra	✓	✓	Algebra II	✓	✓
Bio	✓	✓	3 rd Science	✓	✓
Wld. Geo/ or Wld. History	✓	✓	Government/Eco	✓	✓
PE	✓	✓	Elective	✓	✓
LOTE YR 1	✓	✓	Welding I Dual 7181WD	✓	✓
Principles of Agriculture, Food & Natural Resources	✓	✓	Welding I Dual 7181WD	✓	✓
10 th Grade	SM1	SM2	12 th Grade	SM 1	SM2
Requirements			Requirements		
English II	✓	✓	English IV	✓	✓
Geometry	✓	✓	4 th Math	✓	✓
Chem/Phys/IPC	✓	✓	4 th Science	✓	✓
US History	✓	✓	Elective	✓	✓
Fine Art	✓	✓	Elective	✓	✓
LOTE YR 2	✓	✓	Welding II Dual 7183WD	✓	✓
Agricultural Mechanics & Metal Technologies	✓	✓	Welding II Dual 7183WD	✓	✓

Transportation provided to and from TSTC during the school day.

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



Business/Industry Endorsement Architecture & Construction 2021-2022



Additional Elective
Courses

Interior Design I
1 Credit

Interior Design II
2 Credits
Autodesk Certified User in
Revit Architecture

Practicum in Interior
Design
2 Credits
Extended Practicum
3 credits
Autodesk Certified User in
Revit Architecture

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

Carpentry

Principles of
Construction
1 Credit OR Principles of
Architecture
1 Credit

Construction Technology I
2 Credits
NCCER Certification

Construction Technology II
2 Credits
NCCER Certification

Practicum in Construction
Technology
2 Credits
Extended Practicum
3 credits
NCCER Certification

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Business/Industry Endorsement: Arts, Audio/Video Technology & Communications 2021-2022

Additional Elective
Course

Professional
Communications
.5 Credit

Digital Media
1 Credit
Adobe Certification

Digital Design &
Media Production
1 Credit

Principles of Arts, Audio/ Video
Technology & Communications
1 Credit

Design & Multimedia Arts

Graphic Design
& Illustration I
1 Credit

Graphic Design &
Illustration II-Lab
2 Credits
Adobe Certified
Associate: Photoshop &
Illustrator Certification

Practicum Graphic Design
& Illustration
2 Credits
Extended Practicum
3 credits
Adobe Certified Associate:
Photoshop & Illustrator Certification

Digital Communications

Audio/Video
Production I
1 Credit

Audio/Video Production
II-Lab
2 Credits
Adobe Certified Associate:
Premiere Pro Certification

Practicum in Audio/
Video Production
2 Credits
Extended Practicum
3 credits
Adobe Certified Associate:
Premiere Pro Certification

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

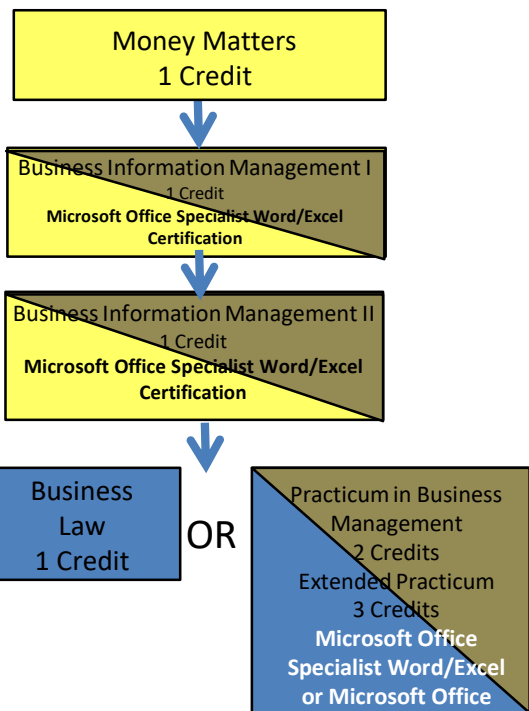
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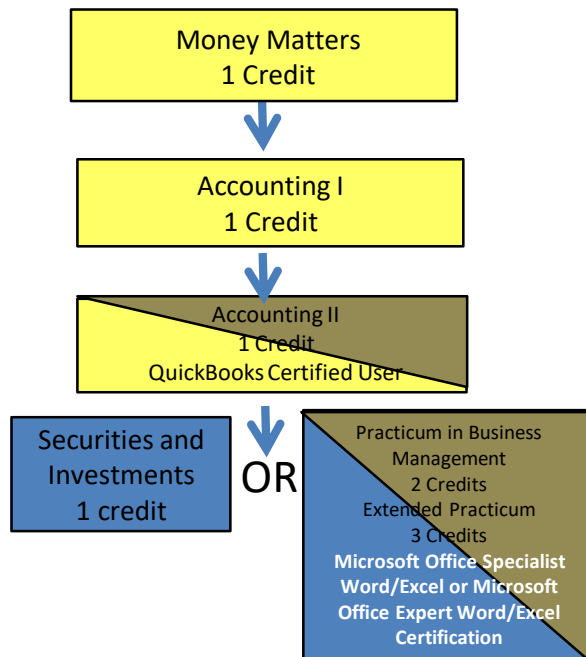
Business/Industry Endorsement Business, Marketing, & Finance 2021-2022



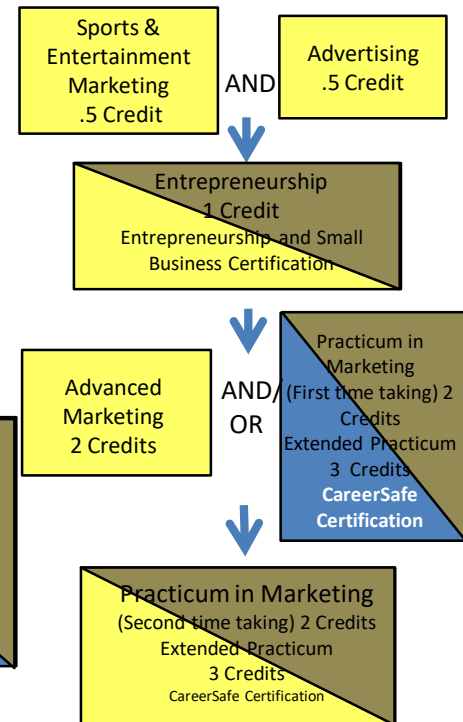
Business Management



Accounting & Finance



Marketing & Sales



- Additional Elective Course
- Principles of Business, Marketing & Finance
1 Credit
****Offered in 8th Grade Only****
- Statistics & Business Decision Making
1 Credit
- Business English
1 Credit

	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade

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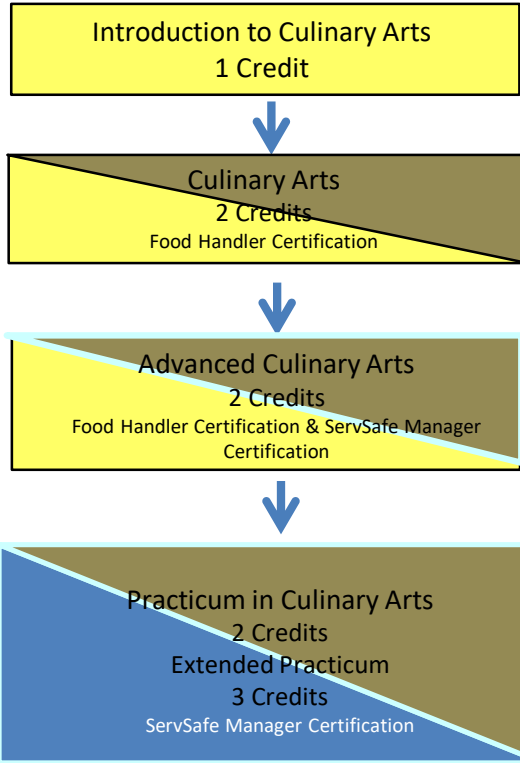
Business/Industry Endorsement Hospitality & Tourism: Culinary Arts 2021-2022



Additional Elective
Course

Principles of
Hospitality &
Tourism
1 Credit
****Offered in 8th
Grade Only****

Food Science
1 Credit



- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

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Business/Industry Endorsement

Information Technology: Computer Technology

2021-2022



Principles of Information Technology
1 Credit



Computer Maintenance Lab
2 Credits
CompTIA Certification



Computer Technician Practicum
(First time taking) 2 Credits
Extended Practicum
3 Credits
CompTIA Certification



Computer Technician Practicum
(Second time taking) 2 Credits
Extended Practicum
3 Credits
CompTIA Certification

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

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Business/Industry Endorsement Transportation, Distribution & Logistics: Automotive – Diesel Equipment Technology

2021-2022

Automotive Basics
1 Credit

Choose Pathway

Automotive Dual

Automotive Technology I:
Maintenance & Light Repair
Dual (TSTC)
2 Credits

Automotive Technology II:
Automotive Service
Dual (TSTC)
2 Credits

Practicum in Transportation Systems
2 Credits
Extended Practicum
3 Credits
ASE Certification

Automotive

Automotive Technology I:
Maintenance & Light Repair
2 Credits
ASE Certification

Automotive Technology II:
Automotive Service
2 Credits
ASE Certification

Practicum in Transportation Systems
2 Credits
Extended Practicum
3 Credits
ASE Certification

Automotive – Diesel Equipment Technology

Automotive Technology I:
Maintenance & Light Repair
2 Credits
ASE Certification

Diesel Equipment
Technology I - Dual
(TSTC)
2 Credits
ASE Certification

Diesel Equipment
Technology II - Dual
(TSTC)
2 Credits
ASE Certification

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



Transportation provided to and from TSTC during the school day.



Business/Industry Endorsement

Transportation: Diesel Equipment Technology

Industry Certification Course Sequence 2021-2022



9 th Grade	SM1	SM2	11 th Grade	SM1	SM2	
Requirements			Requirements			
English I	✓	✓	English III	✓	✓	
Algebra	✓	✓	Algebra II	✓	✓	
Bio	✓	✓	3 rd Science	✓	✓	
Wld. Geo/ or Wld. History	✓	✓	Automotive Technology II Automotive Service	✓	✓	
LOTE Yr 1	✓	✓	Automotive Technology II Automotive Service	✓	✓	
P.E.	✓	✓	Diesel Equipment Tech I 8450WD	✓	✓	Diesel Equipment Tech I 84450XD
Automotive Basics	✓	✓	Diesel Equipment Tech I 8450WD	✓	✓	Diesel Equipment Tech I 84450XD
Requirements			Requirements			
10th Grade	SM1	SM2	12th Grade	SM1	SM2	
Requirements			Requirements			
English II	✓	✓	English IV	✓	✓	
Geometry	✓	✓	4 th Math	✓	✓	
Chem/Phys/IPC	✓	✓	4 th Science	✓	✓	
US History	✓	✓	Government/Eco	✓	✓	
LOTE YR 2	✓	✓	Fine Art	✓	✓	
Automotive Technology I Automotive Service	✓	✓	Diesel Equipment Tech II 8460WD	✓	✓	Diesel Equipment Tech II 8460XD
Automotive Technology I Automotive Service	✓	✓	Diesel Equipment Tech II 8460WD	✓	✓	Diesel Equipment Tech II 8460XD

	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade

Business/Industry Endorsement Combination








A coherent sequence of (4) credits selected from the following:

CTE courses with final course from:
Agriculture, Food & Natural Resources; Architecture & Construction; Business
Management & Administration; Arts, Audio/Video Technology &
Communications; Finance; Hospitality & Tourism; Information Technology;
Manufacturing; Marketing; Transportation, Distribution & Logistics

Business & Industry: English

Business & Industry: Technology Applications

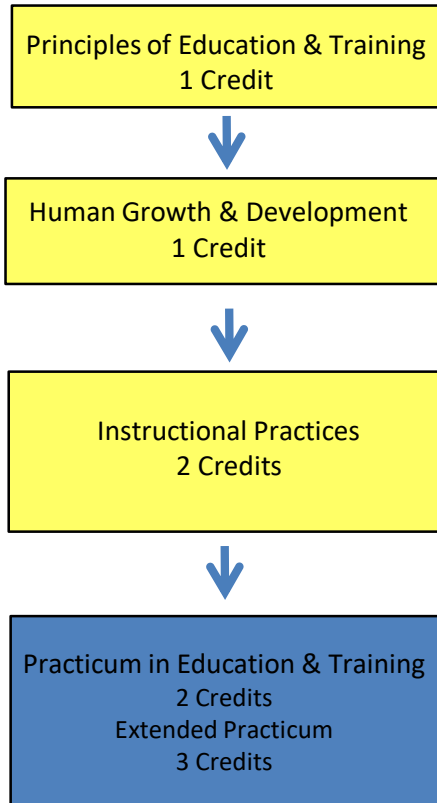
	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade



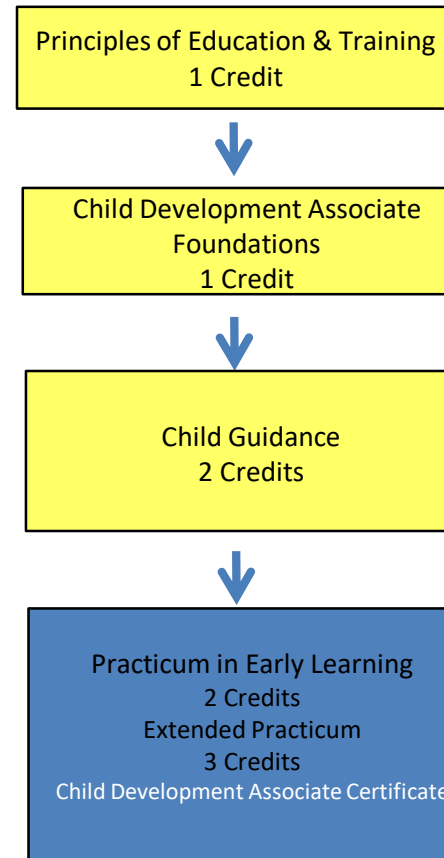
Public Services Endorsement Education & Training 2021-2022

**PUBLIC
SERVICES**

Teaching & Training



Early Learning

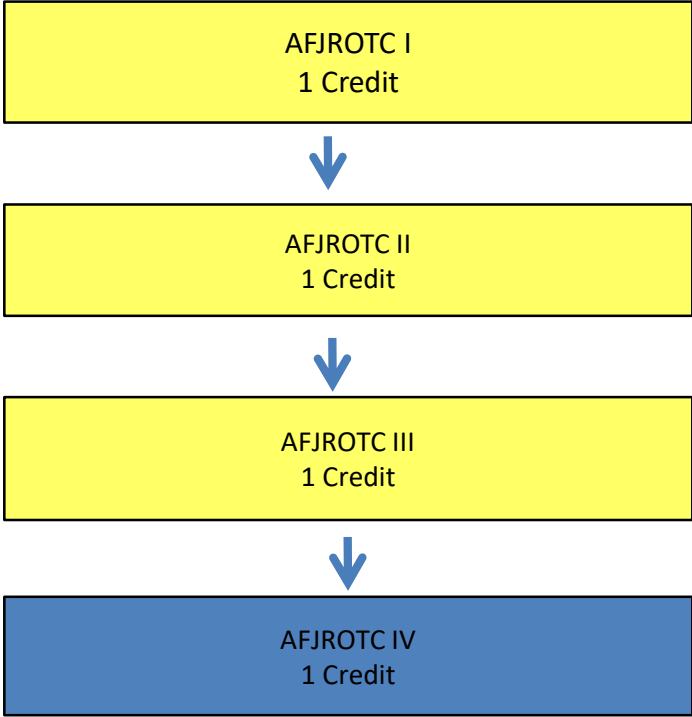







	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade

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Public Services Endorsement Air Force Junior ROTC 2021-2022

**PUBLIC
SERVICES**



	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade

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Public Service Endorsement Health Science 2021-2022

**PUBLIC
SERVICES**

Additional Elective Course

Medical Microbiology
1 Credit

Principles of Health Science
1 Credit



Medical Terminology
1 Credit



Health Science Theory
1 Credit

OR

Health Science Clinical
2 Credits
CPR & ECG/EKG Certifications



Choose 4th "specialization" course; other than HS General, all "specialization" courses taught in a central location TBA

Health Science General

Anatomy & Physiology
1 Credit

OR

Practicum in HS: General
2 Credits
Extended Practicum
3 Credits
Certified Medical Assistant
Certification

Medical Billing & Coding

Medical Billing & Coding
1 Credit
Certified Billing & Coding
Specialist Certification

Pharmacy Technician

Pharmacology
1 Credit
Certified Pharmacy Technician
Certification

EMT

Practicum in Health Science –
Dual WCJC:
EMSP 1501E & EMSP 1160SP
3 Credits
Emergency Medical Technician –
Basic Certification

Certified Nursing Assistant

Practicum in HS: CNA
2 Credits
Certified Nurse
Aide/Assistant Certification

AND

Practicum in HS - Dual
WCJC - EMSP 1291
3 Credits
AEMT - Advanced

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade



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Public Services Endorsement

Law & Public Service: Law Enforcement 2021-2022

Additional Elective
Courses

Court Systems & Practices
1 Credit

Business Law
1 Credit

Law Enforcement I
1 Credit



Law Enforcement II
1 Credit



Correctional Services
1 Credit
Basic Correctional Officer Certification
Emergency Telecommunicator Certification



Forensic Science
1 Credit

OR

Practicum in Law, Public Safety,
Correction & Security
2 Credits
Extended Practicum
3 Credits
Emergency Telecommunicator
Certification

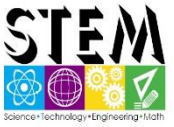
	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade



STEM Endorsement*

Programming and Software Development - AP

2021-2022



Additional Elective Courses

Computer Science I
1 Credit

Advanced Computer Science II
1 Credit

Computer Science I PAP
1 Credit

Computer Science Principles AP
1 Credit

Computer Science A-AP
2 Credits

IS: Technology Applications 1
1 Credit

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

***Algebra II, Chemistry & Physics required for all STEM Endorsements**

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STEM Endorsement*

Programming and Software Development – Cyber Security 2021-2022



Principles of Information
Technology
1 Credit



Computer Maintenance Lab
2 Credits
CompTIA Certification



Practicum in Information
Technology – Dual
(1st time taken)
Dual TSTC
2 Credits



Practicum in Information
Technology – Dual
(2nd time taken)
Dual TSTC
2 Credits

Transportation
provided to and
from TSTC
during the
school day.



- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

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STEM Endorsement*

Program and Software Development – Cyber Security Dual



Industry Certification Course Sequence 2021-2022

9 th Grade			11 th Grade		
	SM1	SM2		SM1	SM2
Requirements			Requirements		
English I	✓	✓	English III	✓	✓
Algebra	✓	✓	Algebra II	✓	✓
Bio	✓	✓	3 rd Science	✓	✓
Wld. Geo/ or Wld. History	✓	✓	Fine Art	✓	✓
PE	✓	✓	Gov/Eco	✓	✓
LOTE YR 1	✓	✓	Practicum in Information Technology - Dual 7946WD	✓	✓
Principles of Information Technology	✓	✓	Practicum in Information Technology - Dual 7946WD	✓	✓
10 th Grade			12 th Grade		
	SM1	SM2		SM1	SM2
Requirements			Requirements		
English II	✓	✓	English IV	✓	✓
Geometry	✓	✓	4 th Math	✓	✓
Chem/Phys/IPC	✓	✓	4 th Science	✓	✓
US History	✓	✓	Elective	✓	✓
LOTE YR 2	✓	✓	Elective	✓	✓
Computer Maintenance Lab	✓	✓	Practicum in Information Technology - Dual 7948WD	✓	✓
Computer Maintenance Lab	✓	✓	Practicum in Information Technology - Dual 7948WD	✓	✓

Transportation provided to and from TSTC during the school day.

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

STEM Endorsement*

Mathematics

2021-2022



Additional Math Courses

AQR 1 Credit	ONRAMPS Pre-Calculus 1 Credit
Calculus AB AP 1 Credit	ONRAMPS Statistics 1 Credit
Calculus BC AP 1 Credit	Pre-Calculus PAP/Dual 1 Credit
College Preparatory Math 1 Credit	Statistics & Business Decision Making 1 Credit
Computer Science A AP 1 Credit	Statistics AP 1 Credit
Digital Electronics 1 Credit	
Independent Study Math Dual 1 Credit	

Algebra I
1 Credit

Geometry
1 Credit

Algebra II
1 Credit

OR



OR



OR



AND

Algebra I PAP
1 Credit

Geometry PAP
1 Credit

Algebra II PAP
1 Credit

Pre-Calculus
1 Credit

Any Two Additional Math Courses
1 Credit each

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

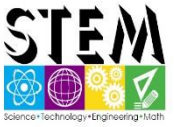
***Algebra II, Chemistry & Physics required for all STEM Endorsements**

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STEM Endorsement*

Science

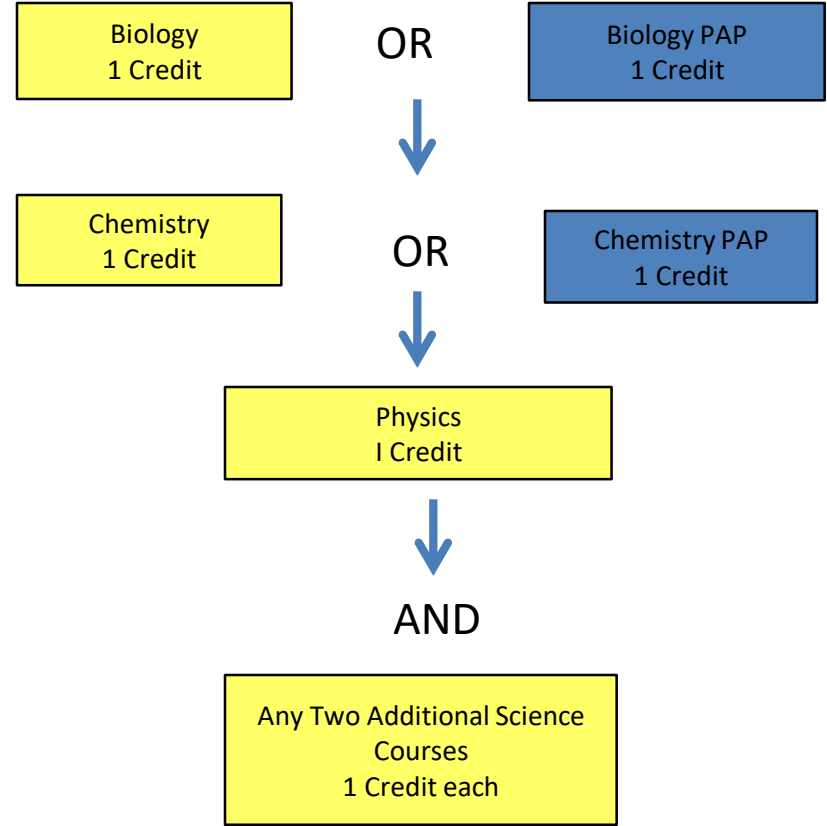
2021-2022



Additional Science Courses

Advanced Animal Science 1 Credit	Engineering Science 1 Credit
Advanced Plant & Soil Science 1 Credit	Engineering Design & Problem Solving 1 Credit
Anatomy & Physiology 1 Credit	Environmental Sci. AP 1 Credit
Aquatic Science 1 Credit	Environmental Systems 1 Credit
Astronomy 1 Credit	Environmental Sci. - Dual (Lone Star College) 1 Credit
Biology II AP 1 Credit	Food Science 1 Credit
Chemistry – Dual (ONRAMPS) 1 Credit	Forensic Science 1 Credit
Chemistry II AP 1 Credit	Medical Microbiology 1 Credit
Earth & Space Science 1 Credit	Physics I AP 1 Credit
	Physics C AP 1 Credit
	Physics – Dual (Lone Star College or ONRAMPS) 1 Credit
	Principles of Technology 1 Credit

	Academic
	Capstone/PAP
	AP/Dual
	Certification
	Offered in 8 th Grade



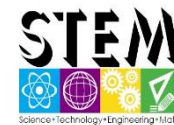
***Algebra II, Chemistry & Physics required for all STEM Endorsements**



STEM Endorsement *

PLTW: Engineering

2021-2022



Additional Elective Courses

Principles of Applied Engineering
1 Credit
****Offered in 8th Grade Only****

Introduction to Engineering Design
1 Credit



Engineering Specialization Courses
1 Credit

Civil Engineering & Architecture - THS, LCHS, GRHS
Computer Integrated Manufacturing - FHS, CFHS

Aerospace Engineering - LCHS, THS
Environmental Sustainability - GRHS, FHS, CFHS



Engineering Science
1 Credit

OR



Digital Electronics
1 Credit



Engineering Design & Problem Solving - PLTW
1 Credit

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

*Algebra II, Chemistry & Physics required for all STEM Endorsements

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STEM Endorsement* Combination



In addition to Algebra II, Chemistry and Physics a coherent sequence of three additional credits from no more than two of the following categories:

STEM Endorsement - PLTW

STEM Endorsement- Mathematics

STEM Endorsement- Science

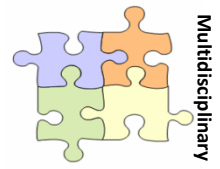
STEM Endorsement- Computer Science

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

***Algebra II, Chemistry & Physics required for all STEM Endorsements**

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Multidisciplinary Studies Endorsement



A student may earn a Multidisciplinary Studies endorsement by completing the foundation and one of the following general endorsement requirements



Four credits in each of the 4 foundation subject areas to include English IV and Chemistry and/or Physics

OR

Four advanced courses that prepare students to enter workforce or postsecondary education without remediation from within 1 endorsement area or among endorsement areas that are not in a coherent sequence

OR

Four credits in AP or dual credit selected from English, math, science, social studies, economics, LOTE or fine arts

- Academic
- Capstone/PAP
- AP/Dual
- Certification
- Offered in 8th Grade

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