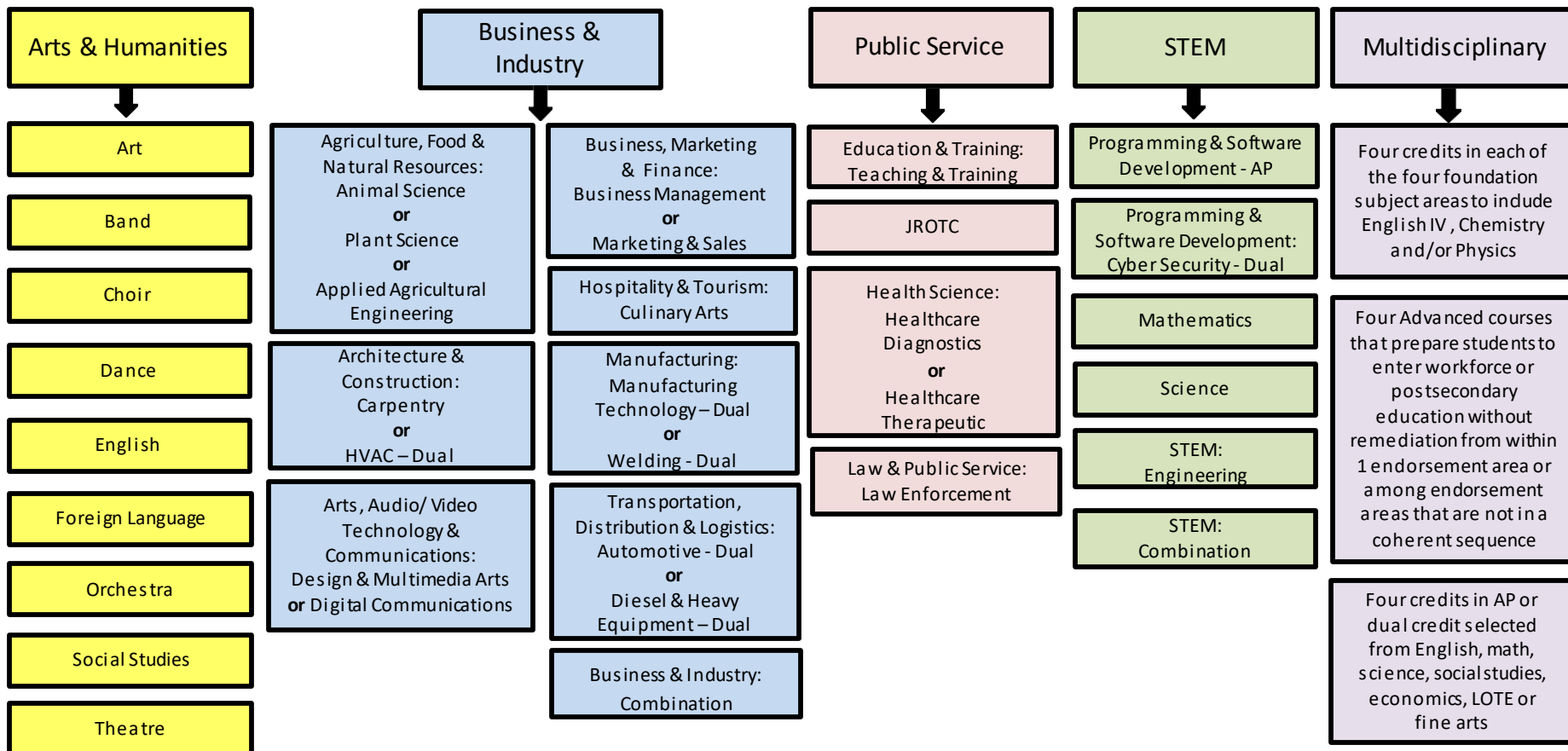




LCISD Programs of Study By Endorsement 2024-2025

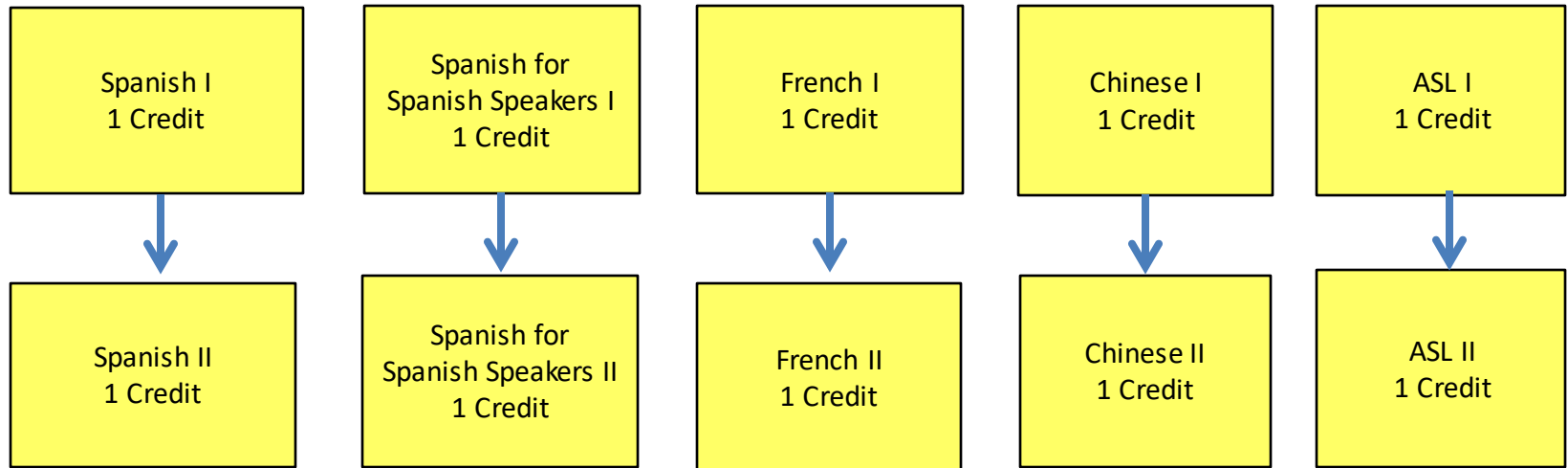
**PUBLIC
SERVICES**



Arts & Humanities Endorsement

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

2024-2025

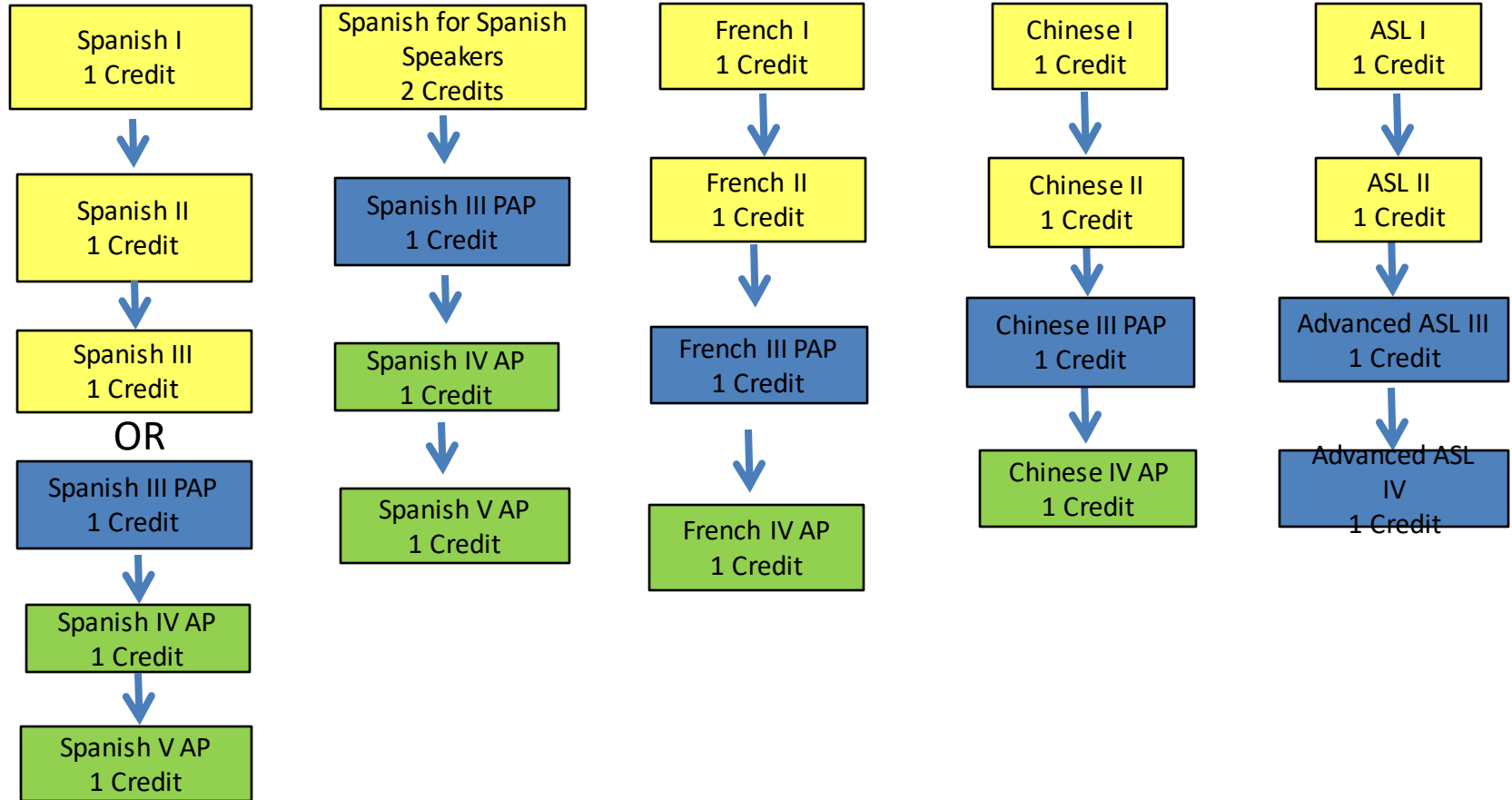


- Academic
- Capstone/PAP
- AP/Dual
- Certification

Arts & Humanities Endorsement

4 Credits in the **SAME** Language Sequence

2024-2025

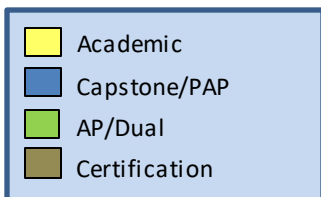
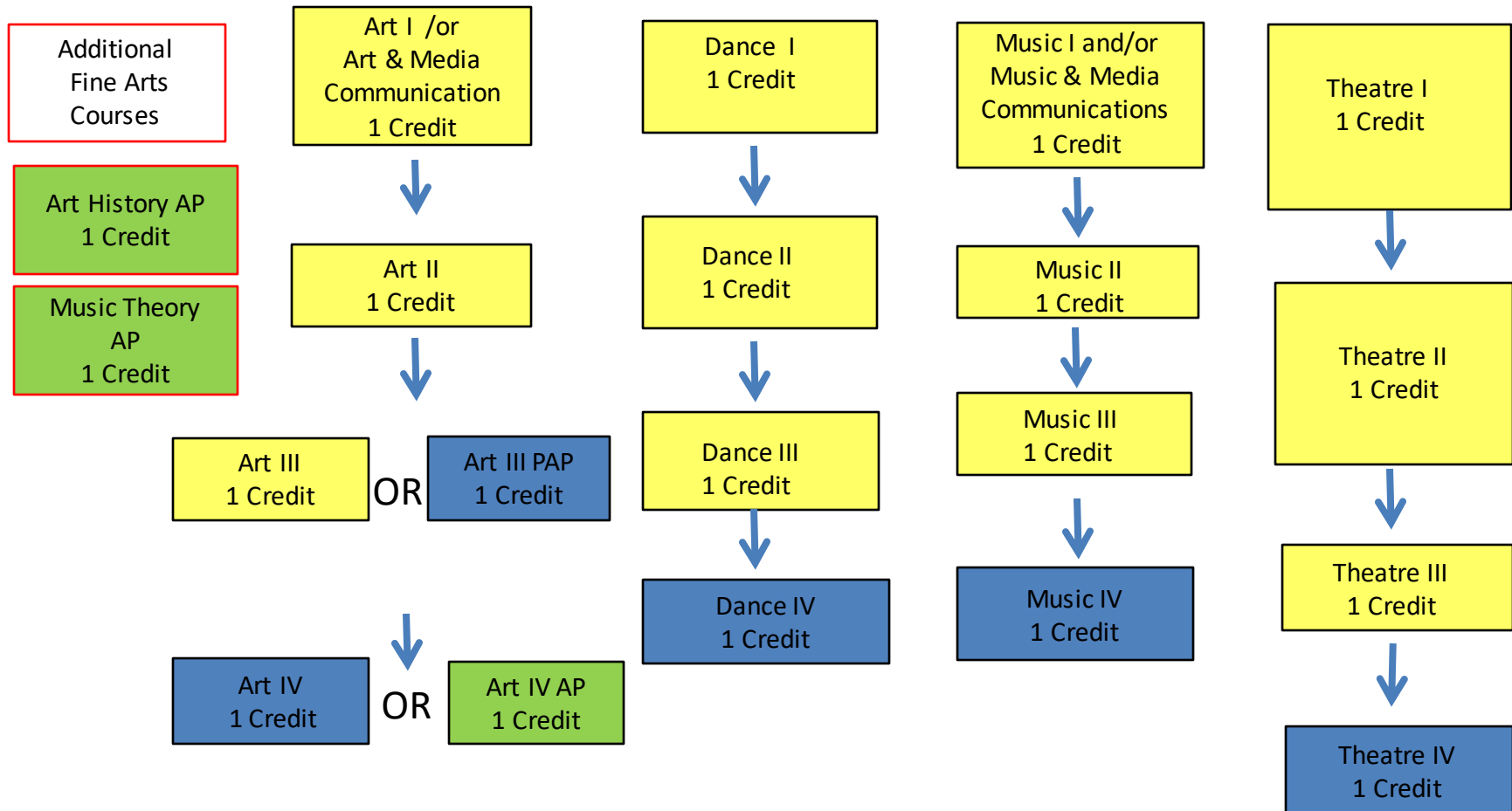


- Academic
- Capstone/PAP
- AP/Dual
- Certification

Arts & Humanities Endorsement

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

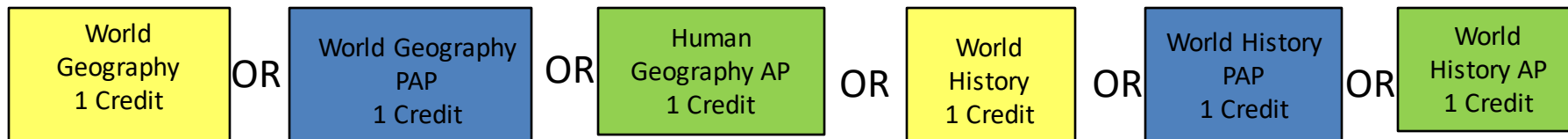
2024-2025



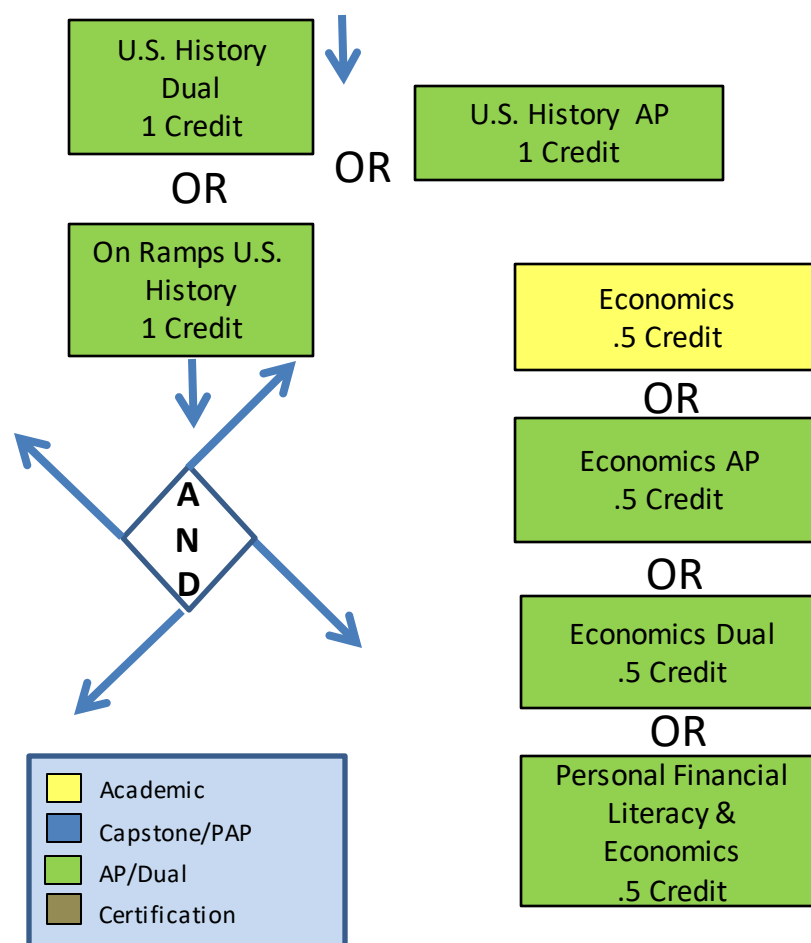
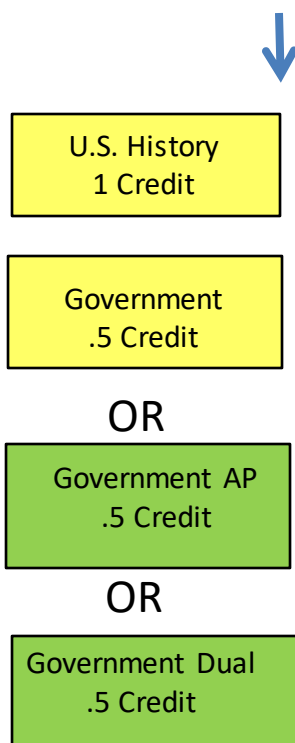
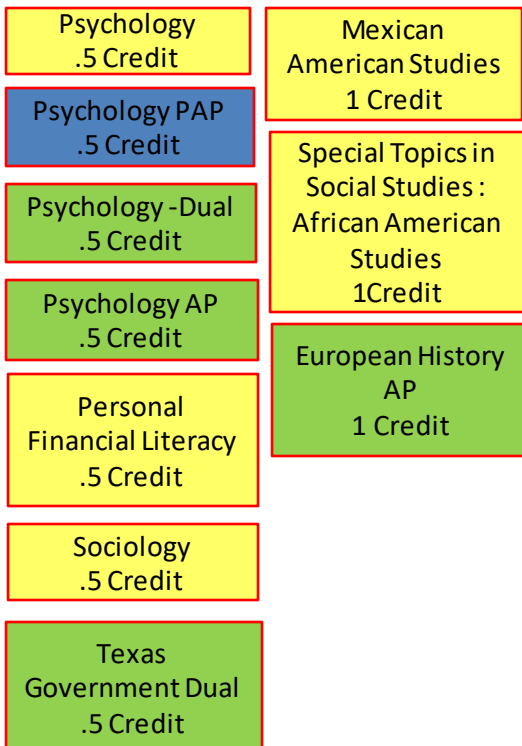
Arts & Humanities Endorsement: Social Studies

5 credits in Social Studies

2024-2025

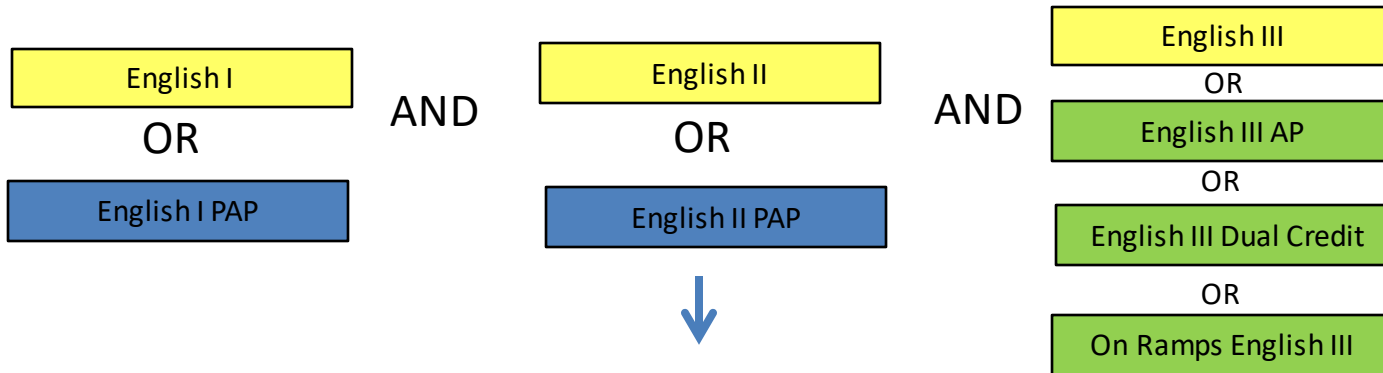


Additional Social Studies Courses



Arts & Humanities Endorsement: English

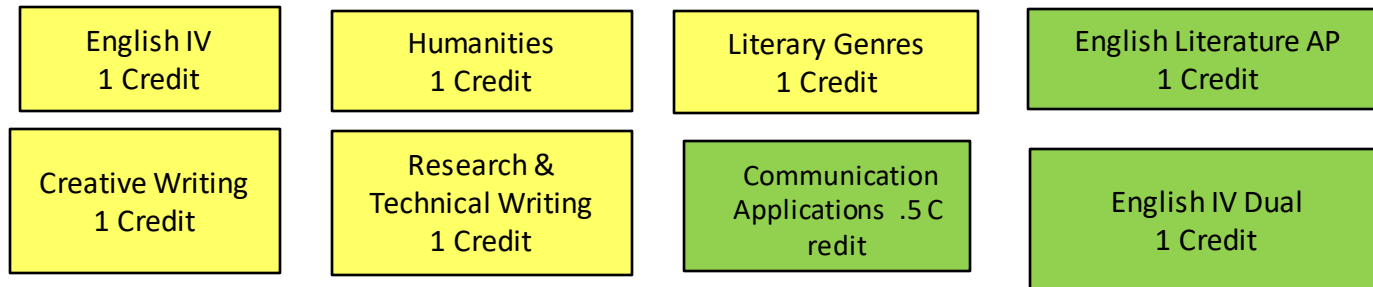
7 credits in English 2024-2025



(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

Business/Industry Endorsement: English

(4) English elective credits

2024-2025



(1) Advanced English credit from one of the following Advanced Courses:
 English IV, Creative Writing, Humanities, Literary Genres, Research & Technical Writing, Debate III, Communication Applications, 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



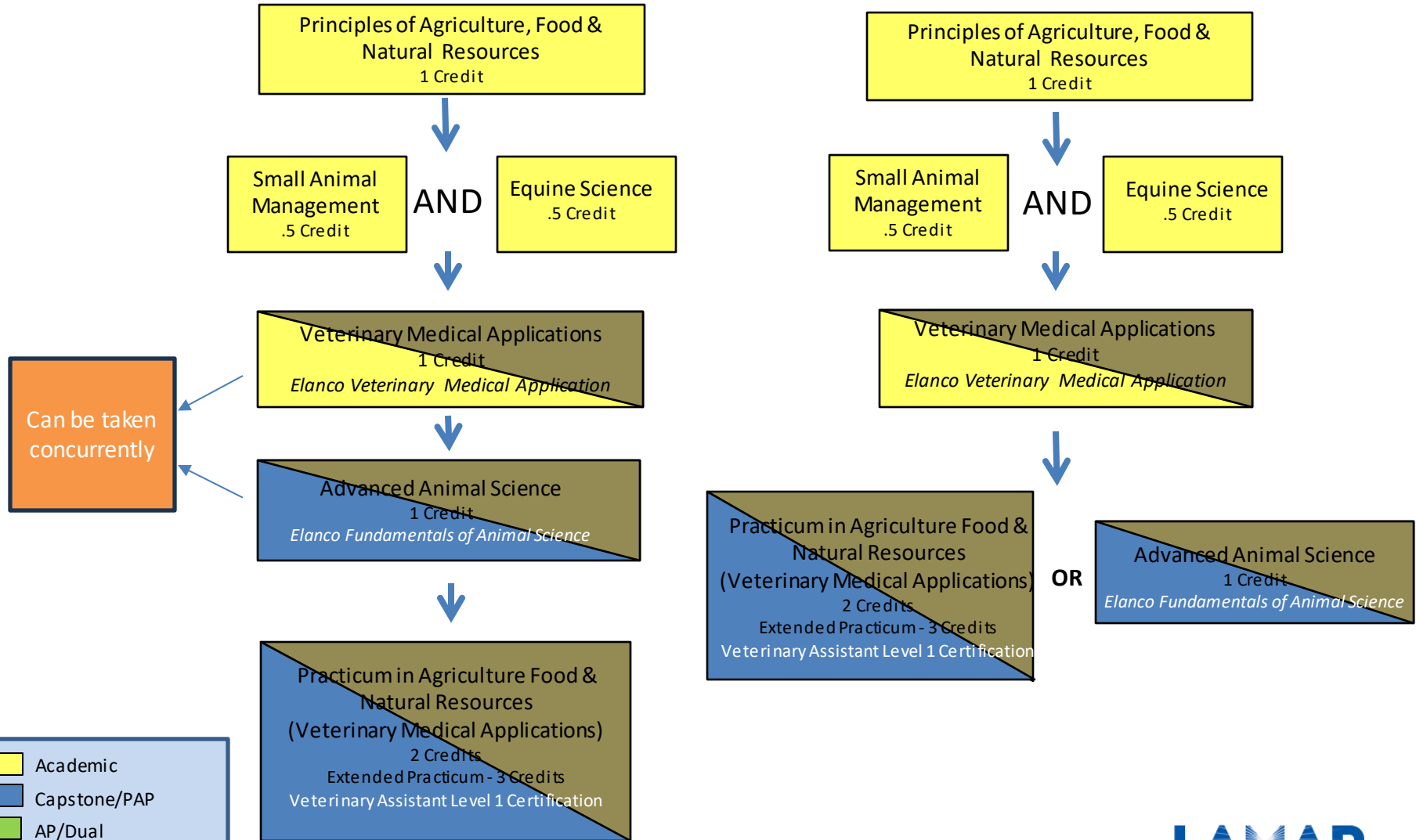
Business/Industry Endorsement

Agriculture, Food, & Natural Resources: Animal Science

2024-2025

8th – 12th

9th – 12th



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Business/Industry Endorsement

Agriculture, Food, & Natural Resources: Applied Agricultural Engineering



8th – 12th

2024-2025

9th – 12th

Principles of Agriculture, Food &
Natural Resources
1 Credit

Principles of Agriculture, Food &
Natural Resources
1 Credit

Agricultural Mechanics & Metal
Technologies
1 Credit
AWS Certification

Agricultural Mechanics & Metal
Technologies
1 Credit
AWS Certification

Agricultural Structures Design &
Fabrication Technologies
1 Credit
AWS Certification

Agricultural Structures Design &
Fabrication Technologies
1 Credit
AWS Certification

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
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

Academic
Capstone/PAP
AP/Dual
Certification

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LAMARCISD
A PROUD TRADITION | A BRIGHT FUTURE



Business/Industry Endorsement

Manufacturing: Welding

2024-2025



8th – 12th

9th – 12th

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

Principles of Agriculture, Food &
Natural Resources
1 Credit

Agricultural Mechanics & Metal
Technologies
1 Credit
AWS Certification

Agricultural Structures Design &
Fabrication Technologies
1 Credit
AWS Certification

Welding I
Dual (TSTC)
2 Credits

Welding II
Dual (TSTC)
2 Credits

Principles of Agriculture, Food &
Natural Resources
1 Credit

Agricultural Mechanics & Metal
Technologies
1 Credit
AWS Certification

Welding I
Dual (TSTC)
2 Credits

Welding II
Dual (TSTC)
2 Credits

If needed,
contact the CTE
Office about
transportation
options.

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Business/Industry Endorsement

Agriculture, Food, & Natural Resources: Plant Science

2024-2025



8th – 12th

Principles of Agriculture, Food &
Natural Resources
1 Credit



Floral Design
1 Credit
Texas State Floral Association, Knowledge Based



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



Practicum in Agriculture, Food &
Natural Resources: Floral Design
2 Credits
*Texas State Floral Association, Level 2
Certification*

- Academic
- Capstone/PAP
- AP/Dual
- Certification

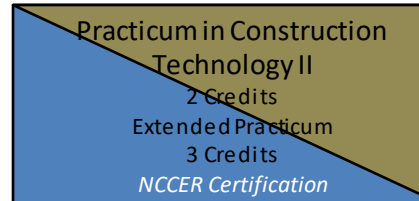
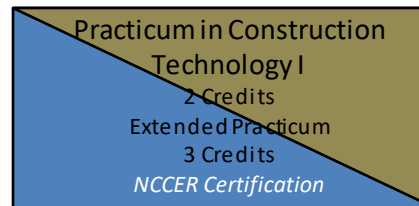
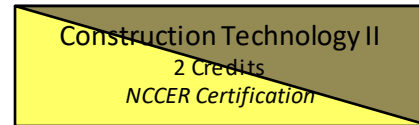
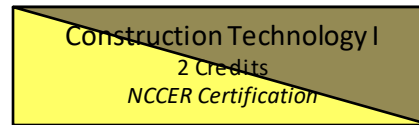
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Business/Industry Endorsement Architecture & Construction: Carpentry 2024-2025



9th – 12th



- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Business/Industry Endorsement Architecture & Construction: Heating, Ventilation & Construction (HVAC) 2024-2025



Construction Technology I
2 Credits
NCCER Certification



Heating, Ventilation, Air Conditioning
Refrigeration & Technology II-Dual
TSTC
1 Credit
HVAC Technician Certification, Level 1



Heating, Ventilation, Air Conditioning
Refrigeration & Technology II-Dual
TSTC
2 Credits
HVAC Technician Certification, Level 1



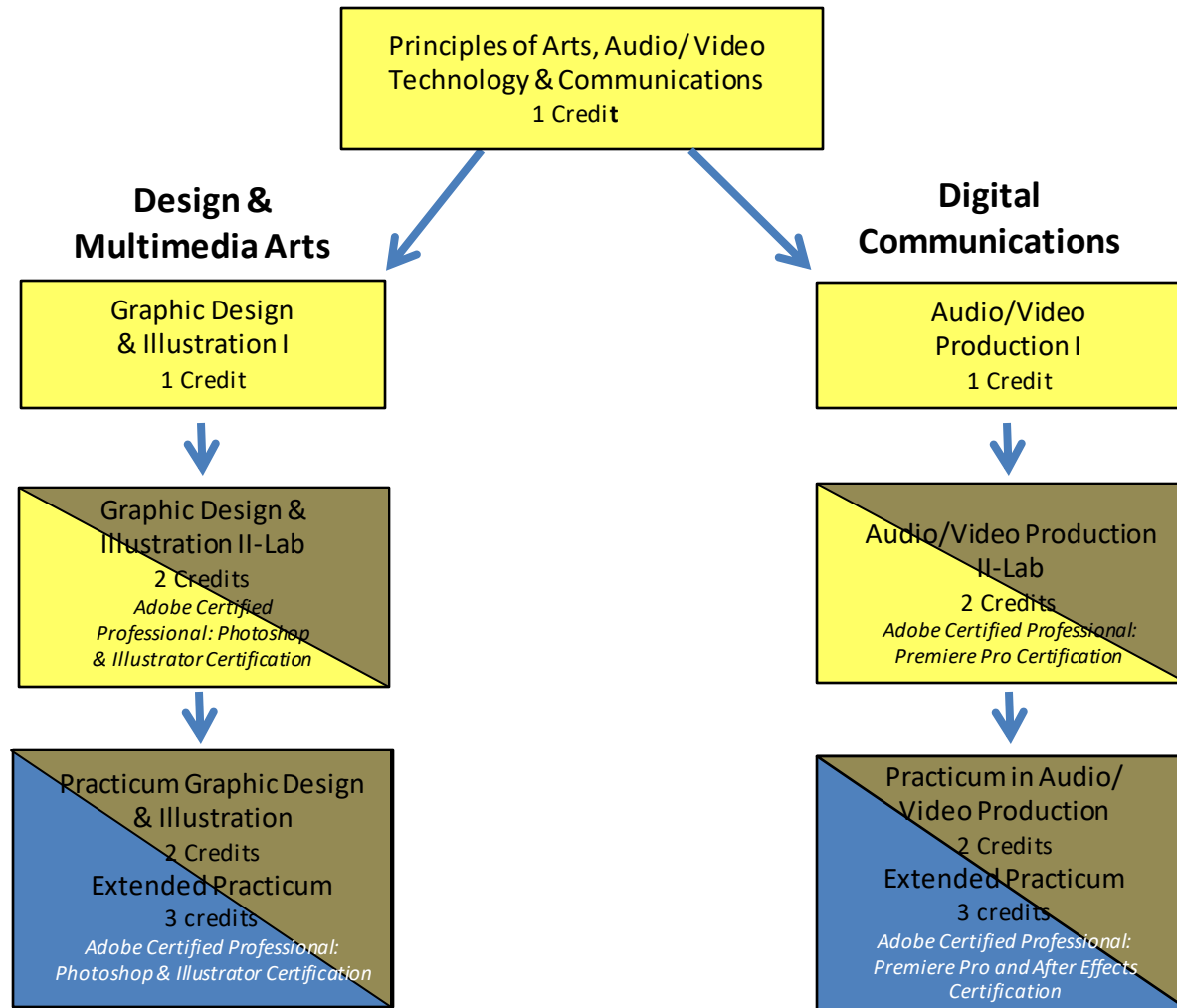
If needed,
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Office about
transportation
options.

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Business/Industry Endorsement: Arts, Audio/Video Technology & Communications 2024-2025



- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Business/Industry Endorsement

Business, Marketing, & Finance: Business Management

2024-2025



8th – 12th

Principles of Business, Marketing &
Finance
1 Credit



Business Information Management I
1 Credit
Microsoft Office Expert Word



Business Information Management II
1 Credit
Microsoft Office Expert Word/Excel Certification



Business Management
1 Credit
Microsoft Office Expert Word/Excel Certification



Practicum in Business Management
2 Credits
Extended Practicum
3 Credits
Microsoft Office Expert Word/Excel Certification

9th – 12th

Business Information Management I
1 Credit
Microsoft Office Expert Word



Business Information Management II
1 Credit
Microsoft Office Expert Word/Excel Certification



Business Management
1 Credit
Microsoft Office Expert Word/Excel Certification



Practicum in Business Management
2 Credits
Extended Practicum
3 Credits
Microsoft Office Expert Word/Excel Certification

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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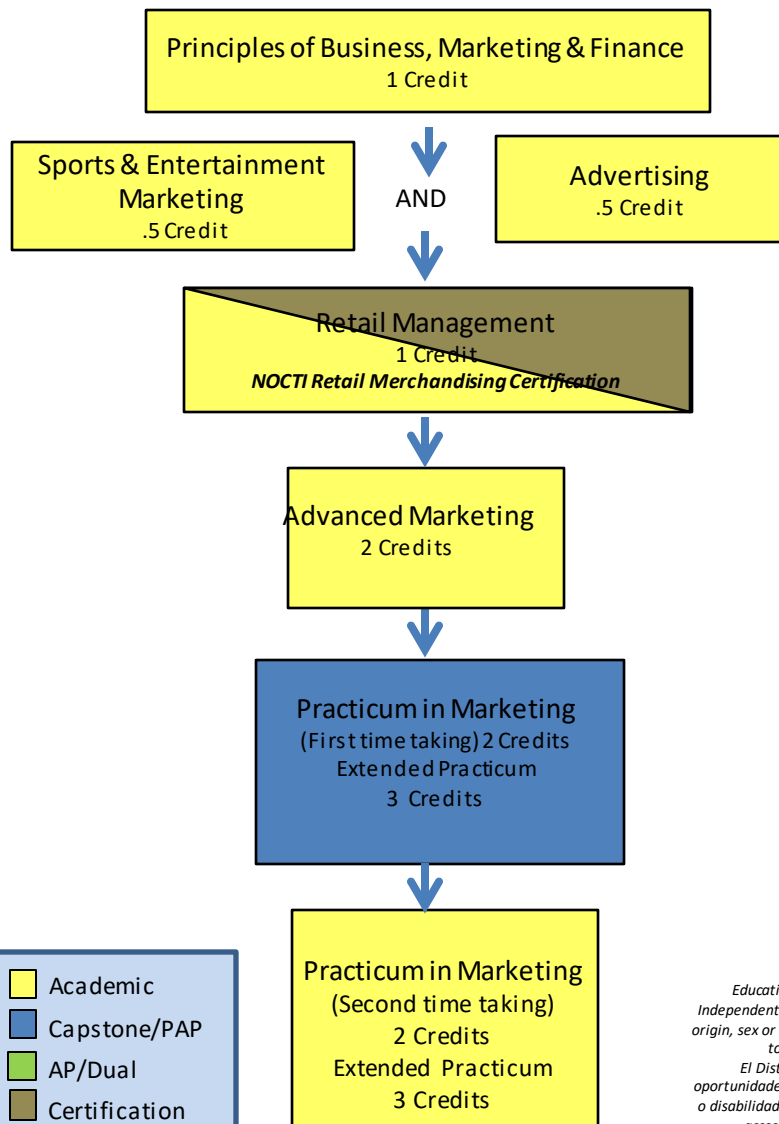


Business/Industry Endorsement

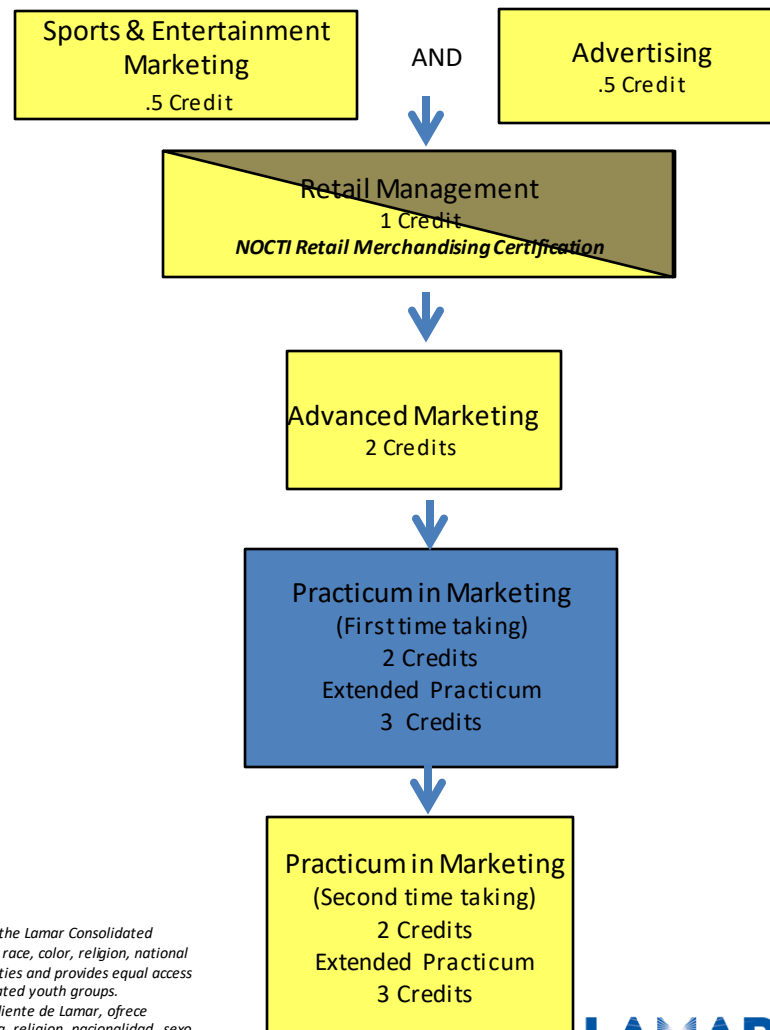
Business, Marketing, & Finance: Marketing & Sales

2024-2025

8th – 12th



9th – 12th

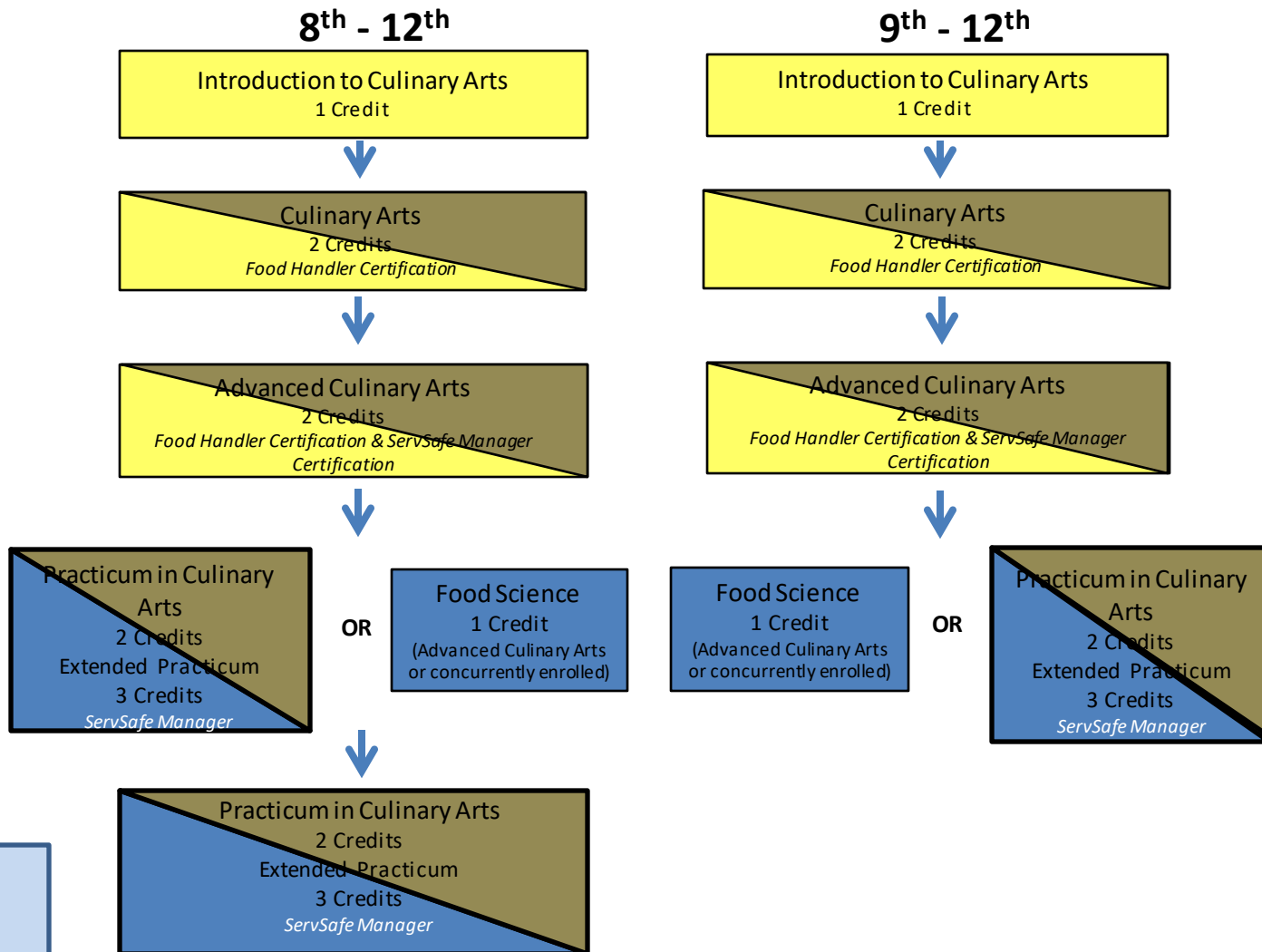


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Business/Industry Endorsement Hospitality & Tourism: Culinary Arts 2024-2025



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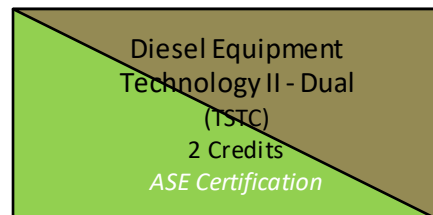
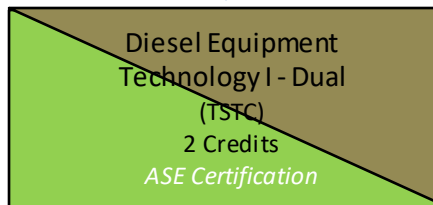


Business/Industry Endorsement

Transportation, Distribution & Logistics:

Automotive – Diesel Equipment Technology

2024-2025



If needed,
contact the CTE
Office about
transportation
options.

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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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, Marketing & Finance; Arts, Audio/Video Technology &
Communications; Hospitality & Tourism; Information Technology;
Manufacturing; Transportation, Distribution & Logistics

Business & Industry: English

Business & Industry: Technology Applications

-  Academic
-  Capstone/PAP
-  AP/Dual
-  Certification

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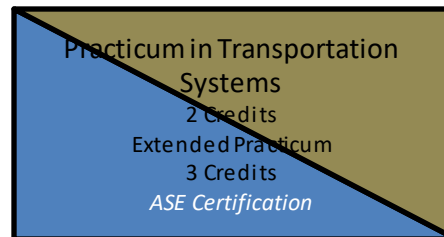
Business/Industry Endorsement

Transportation, Distribution & Logistics: Automotive

2024-2025



Automotive Dual



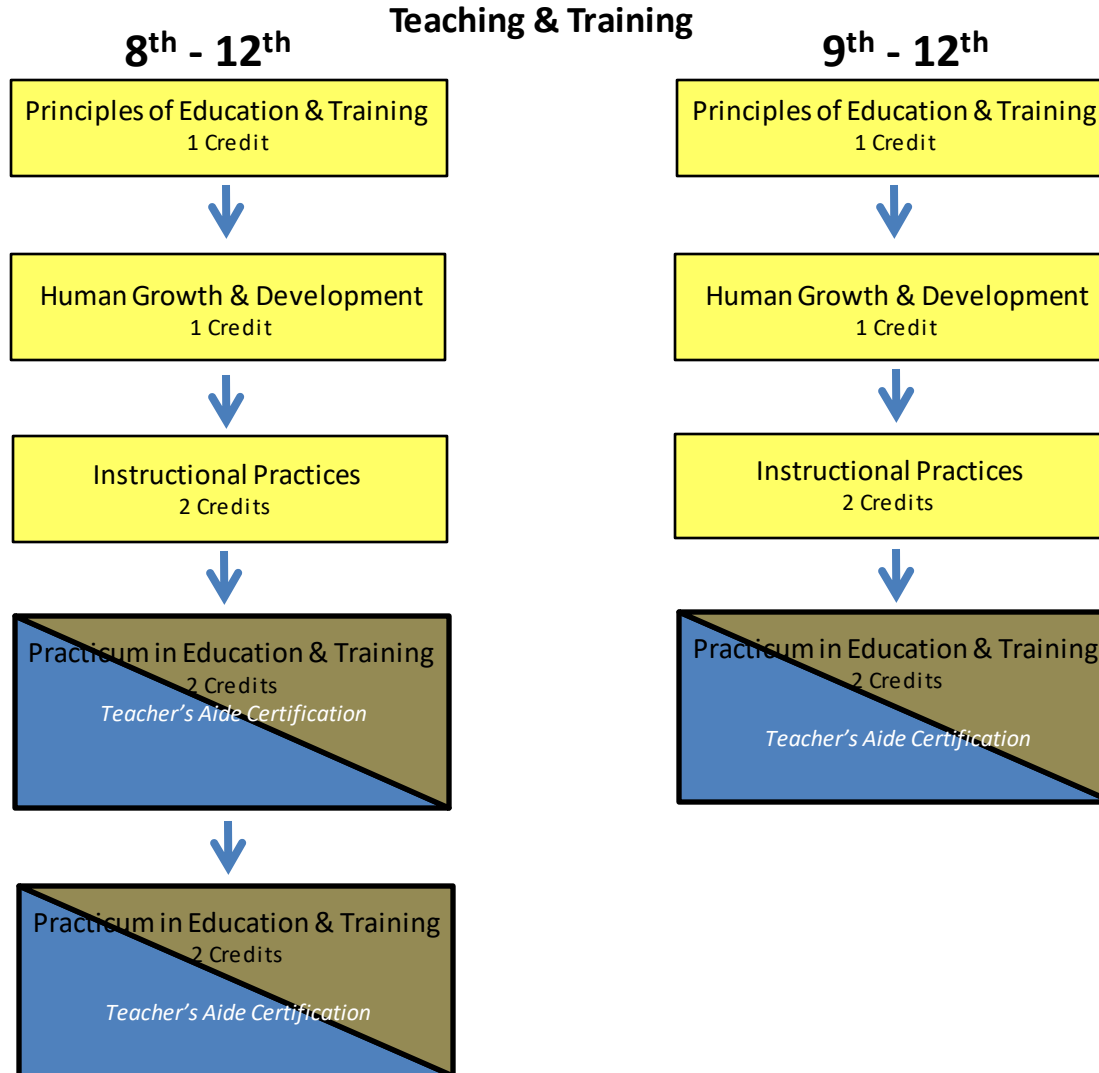
- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Public Services Endorsement Education & Training 2024-2025

**PUBLIC
SERVICES**

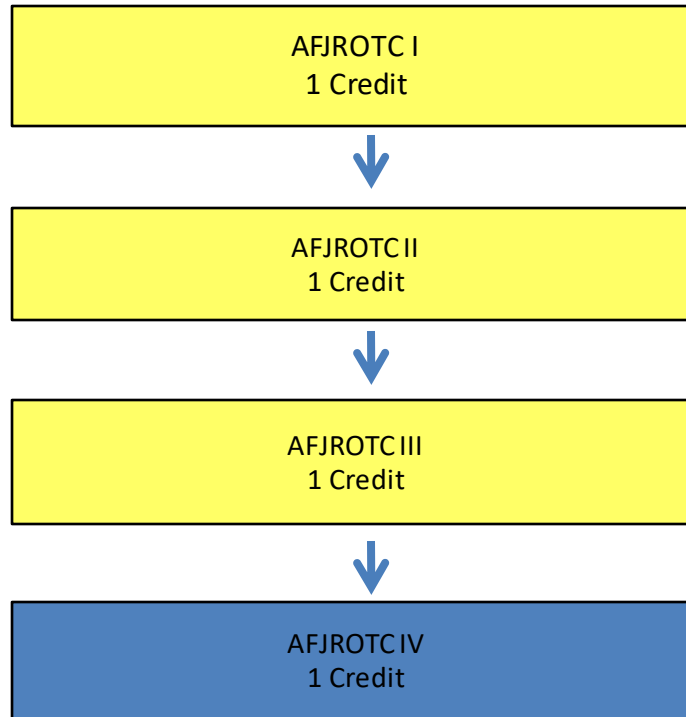


- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Public Services Endorsement Air Force Junior ROTC 2024-2025

**PUBLIC
SERVICES**



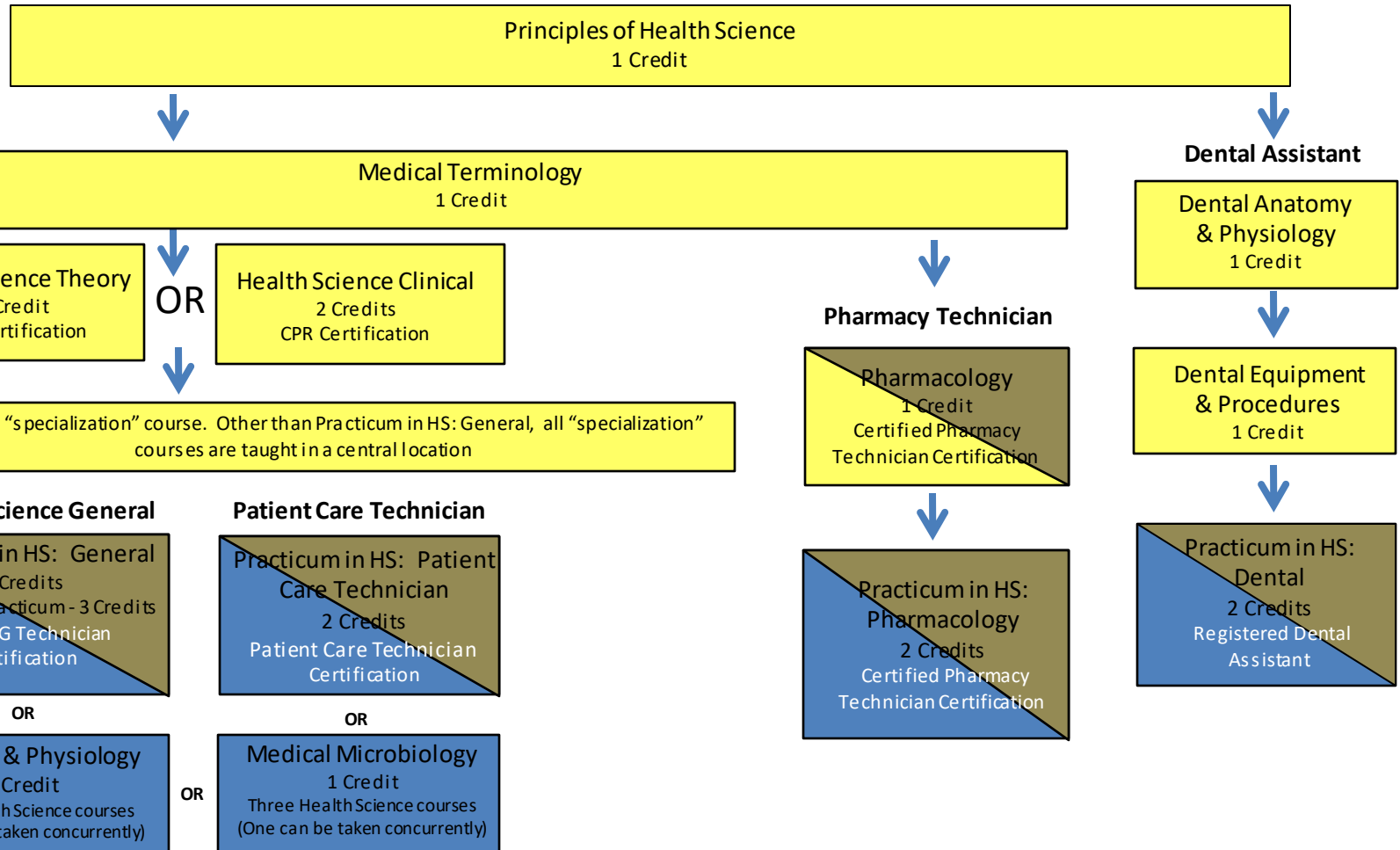
- Academic
- Capstone/PAP
- AP/Dual
- Certification

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Public Service Endorsement Health Science 2024-2025

**PUBLIC
SERVICES**



- Academic
- Capstone/PAP
- AP/Dual
- Certification

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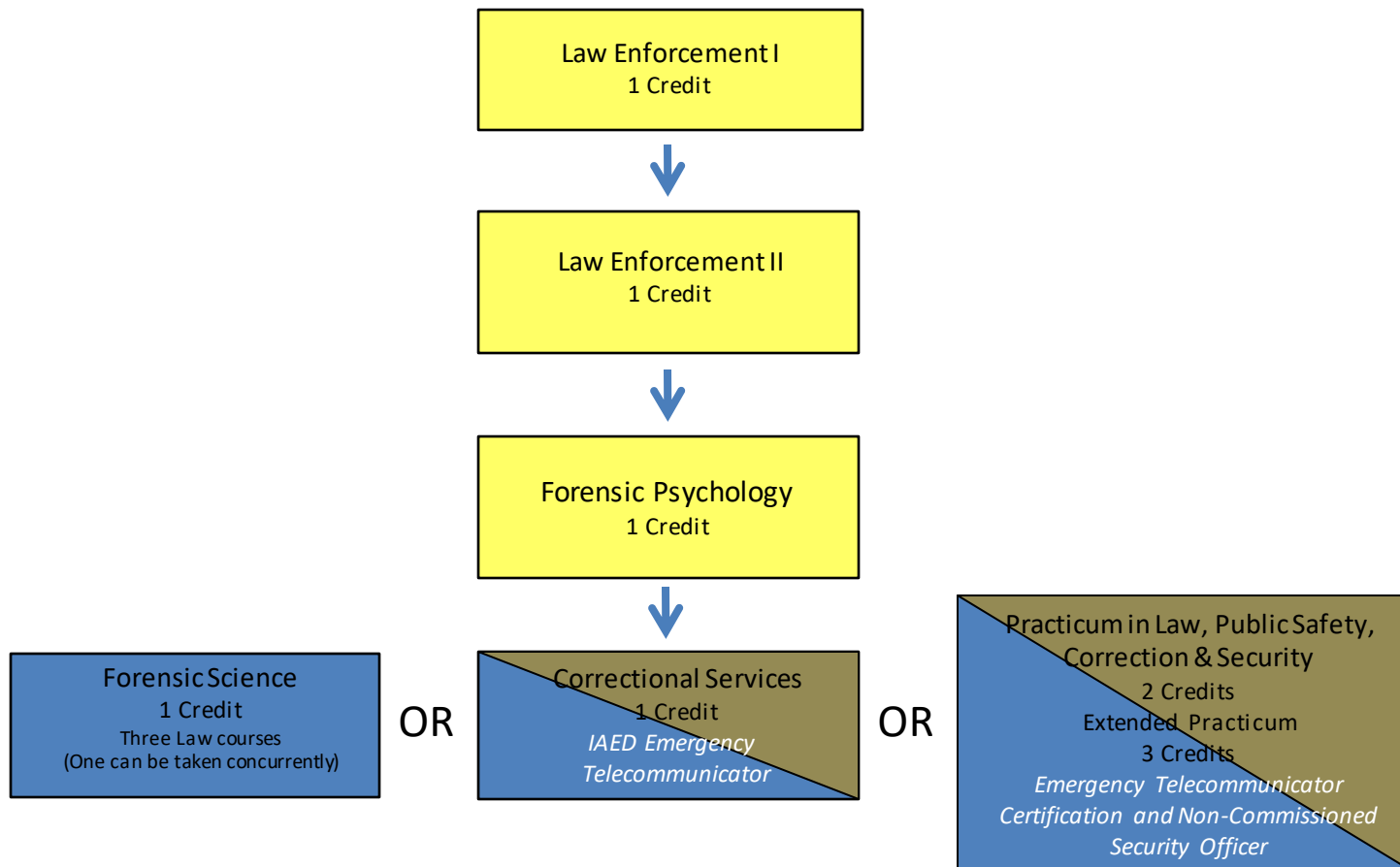


Public Services Endorsement

Law & Public Service: Law Enforcement

2024-2025

**PUBLIC
SERVICES**



- Academic
- Capstone/PAP
- AP/Dual
- Certification

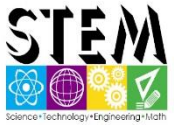
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STEM Endorsement*

Programming and Software Development - AP

2024-2025



8th - 12th

Fundamentals of
Computer Science
1 Credit
JavaScript

and

Algebra I
completed in
8th grade

Computer Science I PAP
1 Credit
Python

Computer Science Principles AP
1 Credit
Python

Computer Science A-AP
2 Credits
Python

IS: Technology Applications 1
1 Credit
Python or Java Certification

9th - 12th

Algebra I is a required
prerequisite for Computer
Science I PAP. Algebra I can
NOT be taken concurrently
with Computer Science I PAP.

Computer Science I PAP
1 Credit
Python

Computer Science Principles AP
1 Credit
Python

Computer Science A-AP
2 Credits
Python

IS: Technology Applications 1
1 Credit
Python or Java Certification

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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

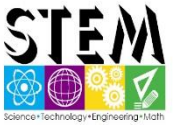
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STEM Endorsement*

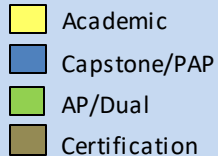
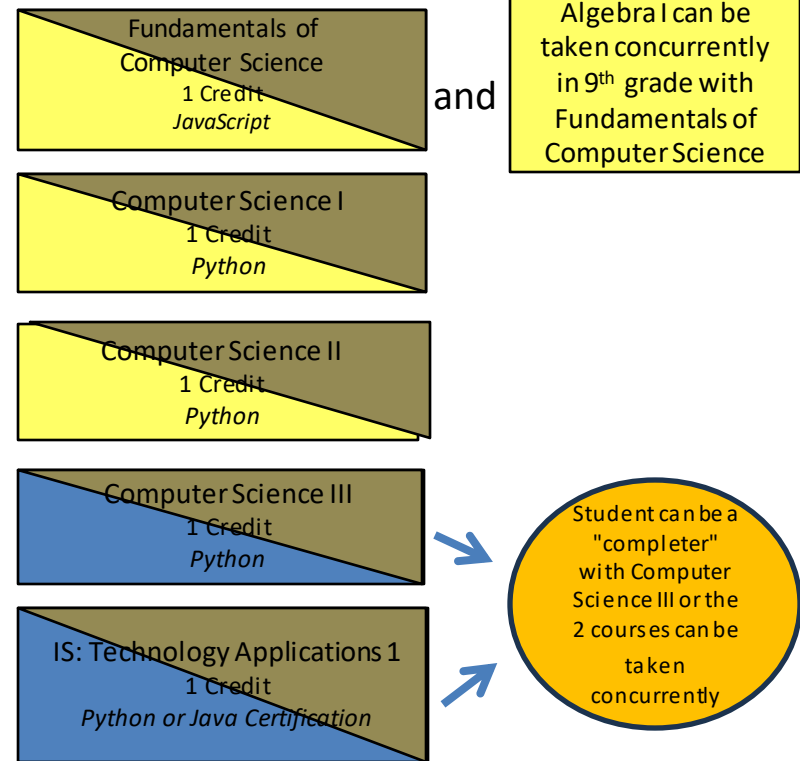
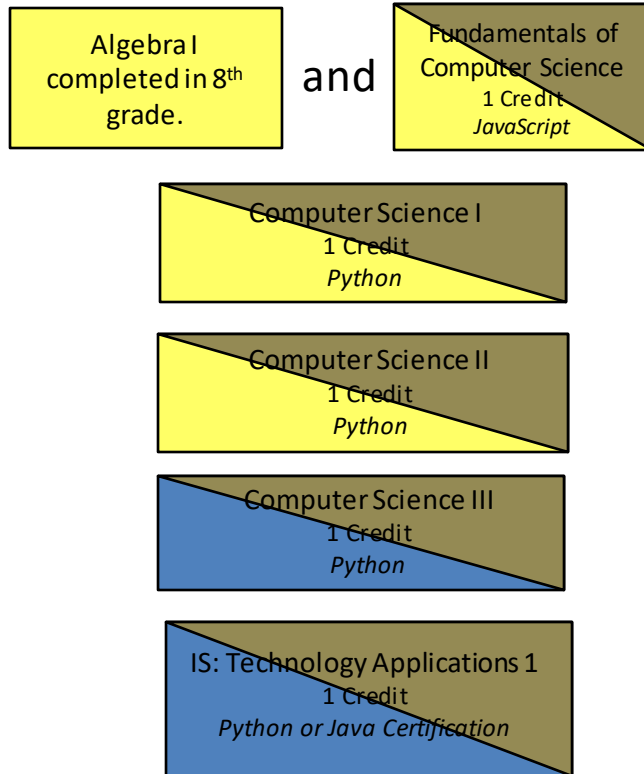
Programming and Software Development

2024-2025



8th - 12th

9th - 12th



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

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STEM Endorsement*

Programming and Software Development – Cyber Security

2024-2025



8th - 12th

Algebra I completed in
8th grade

Fundamentals of
Computer Science
1 Credit
JavaScript

Computer Science I
1 Credit
Python

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

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

9th - 12th

Algebra I

and

Fundamentals of
Computer Science
1 Credit
JavaScript

Computer Science I
1 Credit
Python

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

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

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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

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STEM Endorsement*

Program and Software Development – Cyber Security Dual 2024-2025



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	✓	✓		Fine Art	✓	✓	
PE	✓	✓		Gov/Eco	✓	✓	
LOTE YR 1	✓	✓		Practicum in Information Technology - Dual 7946WD	✓	✓	Practicum in Information Technology - Dual 7946XD
Fundamentals of Computer Science	✓	✓		Practicum in Information Technology - Dual 7946WD	✓	✓	Practicum in Information Technology - Dual 7946XD
10 th Grade	SM1	SM2		12 th Grade	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	✓	✓	
Elective	✓	✓		Practicum in Information Technology - Dual 7948WD	✓	✓	Practicum in Information Technology I - Dual 7948XD
Computer Science I	✓	✓		Practicum in Information Technology - Dual 7948WD	✓	✓	Practicum in Information Technology - Dual 7948XD

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

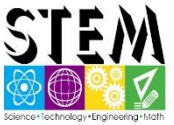


- Academic
- Capstone/PAP
- AP/Dual
- Certification

STEM Endorsement*

Mathematics

2024-2025



Additional Math Courses

AQR 1 Credit	ONRAMPS Pre-Calculus 1 Credit
Calculus ABAP 1 Credit	ONRAMPS Statistics 1 Credit
Calculus BC AP 1 Credit	Pre-Calculus PAP/Dual 1 Credit
Computer Science A-AP 1 Credit	Statistics AP 1 Credit
Independent Study Math Dual 1 Credit	Pre-Calculus 1 Credit
Dual Calculus 1 Credit	Dual Statistics 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

Any Two Additional Math Courses
1 Credit each

- Academic
- Capstone/PAP
- AP/Dual
- Certification

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

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STEM Endorsement*

Science

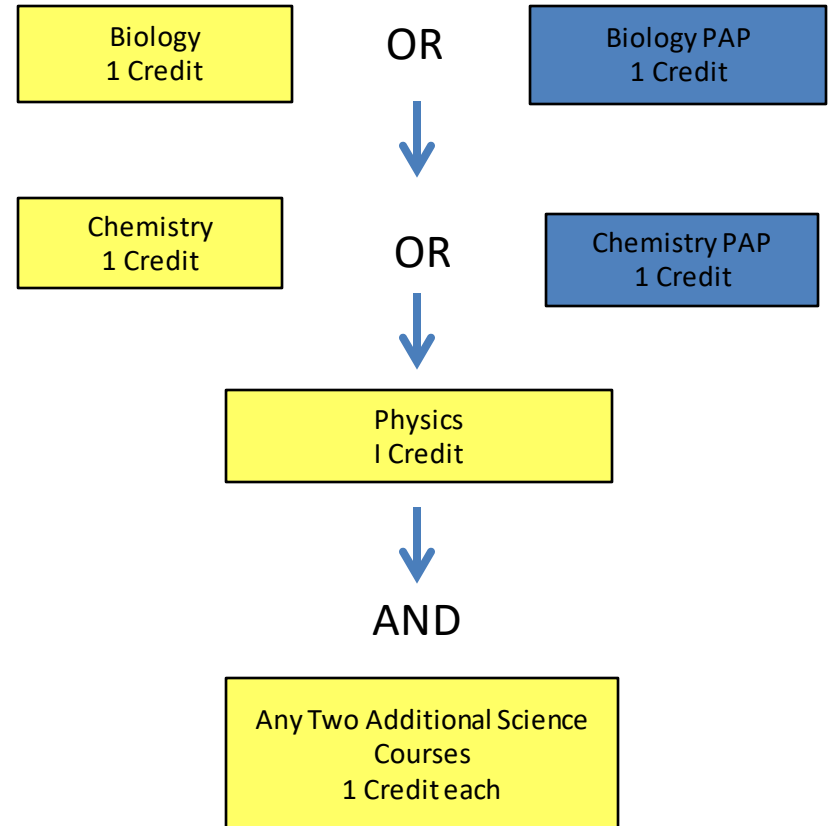
2024-2025



Additional Science Courses

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

Academic
Capstone/PAP
AP/Dual
Certification



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

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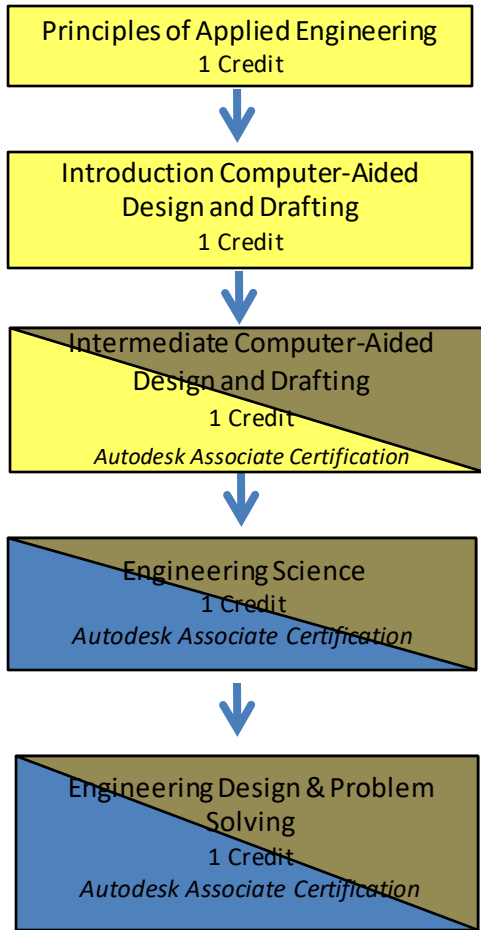
STEM Endorsement *

Engineering

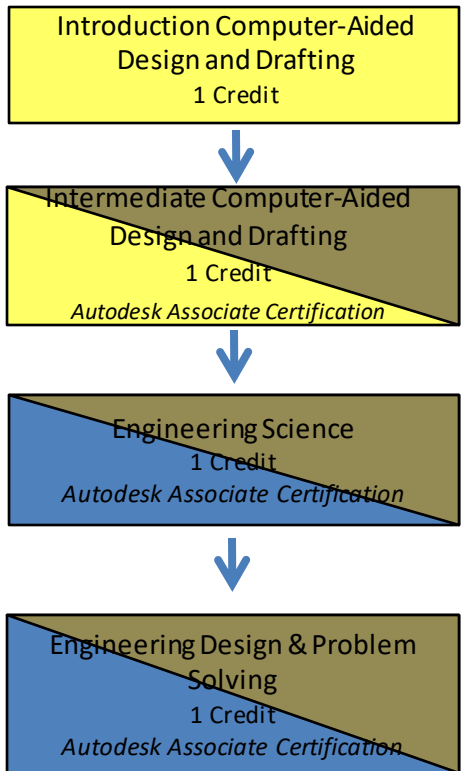
2024-2025



8th - 12th Grade



9th - 12th Grade



Academic

Capstone/PAP

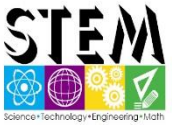
AP/Dual

Certification

***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 - Engineering

STEM Endorsement- Mathematics

STEM Endorsement- Science

STEM Endorsement- Computer Science

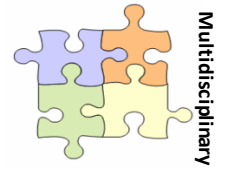
- Academic
- Capstone/PAP
- AP/Dual
- Certification

***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

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