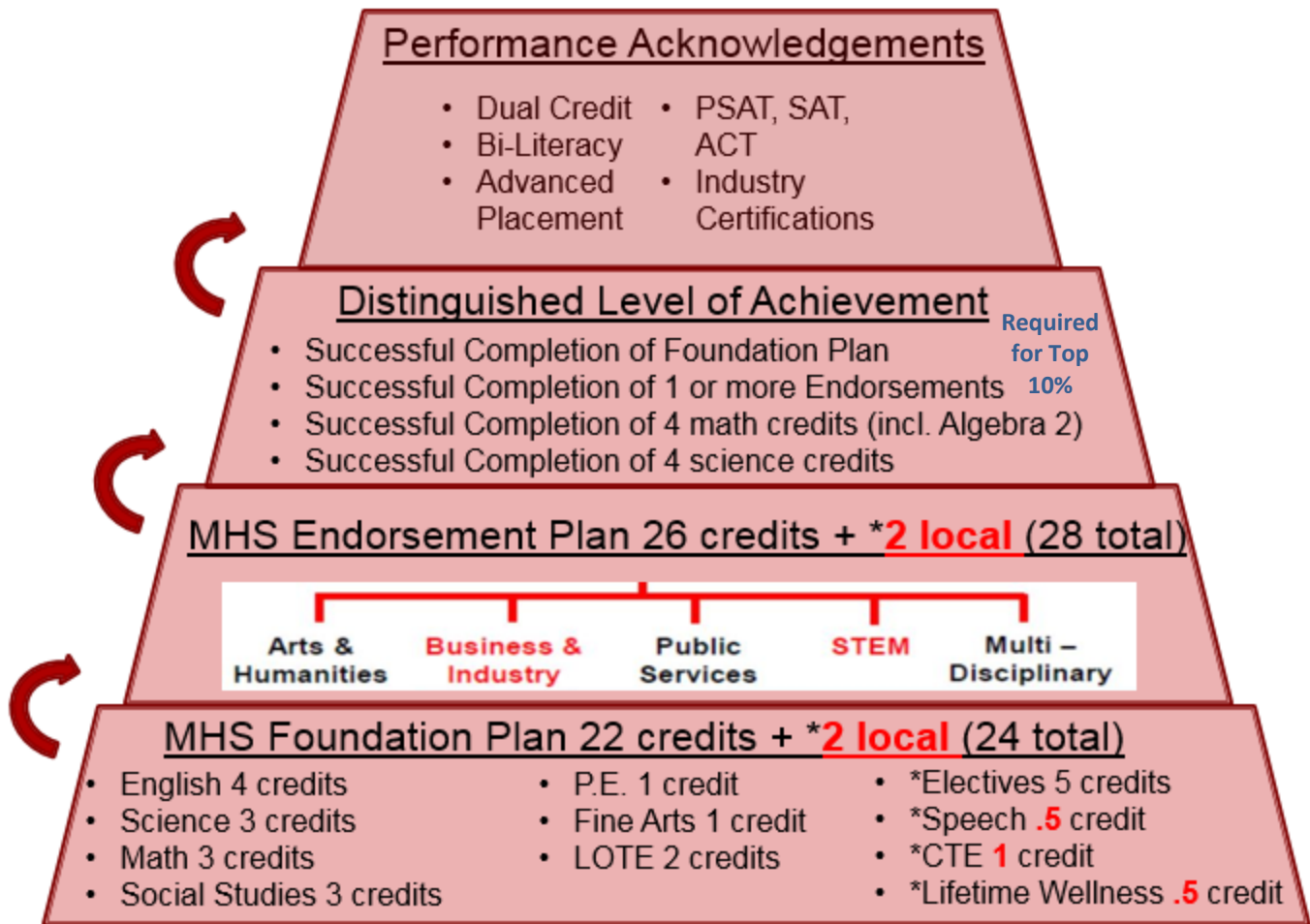


# Midway HS Academic Planner

---

SECONDARY/POSTSECONDARY PLANNING GUIDE

Updated: 10/01/21  
ACADEMIC ADVISEMENT | MIDWAY HIGH SCHOOL



### Midway ISD Mission Statement

Midway ISD will maximize individual potential within a learner-centered and supportive environment to prepare students to excel in a global society.

#### District Goal #1: Meet the academic, social, spiritual and physical needs of a diverse student population

- Develop an engaging curriculum that meets the changing needs of all children
- Provide and support extracurricular offerings tailored to the size and diversity of the student population
- Support, communicate, and develop curricular offerings and student experiences that promote full participation in Endorsements including career exposure
- All students will graduate postsecondary ready



# Developing Future-Ready Graduates

- District College & Career Readiness Plan
- Portrait of a Graduate
- Rigorous and relevant core academics and elective course offerings that emphasize real-world applications and employability skill development
- Numerous extracurricular opportunities
- College visits; college and career guest speakers; field trips; community service

## Goals for Meeting State-defined Postsecondary Readiness:

Graduation Rates and Plans

STAAR Scores

College/Career/Military Readiness Measures (CCMR)\*

## How Can Students Achieve \*College/Career/Military Readiness Measures (CCMR)?

### Based on state accountability measures outlined by Texas Education Agency

- Meet the Texas Success Initiative (TSI) criteria in ELA/Reading and Math (mix/match)
  - TSIA – reading (351+); math (350+)
  - ACT – English (19 and composite of 23); math (19 and composite of 23)
  - SAT – reading/writing (480+); math (530+)
  - Course credit for College Prep English; course credit for College Prep Math
- Meet Criteria on Advanced Placement (AP) or International Baccalaureate (IB) Exam
  - Qualifying score of 3 or higher (AP)
  - Qualifying score of 4 or higher (IB)
- Earn Dual Credit Course Credits
  - Earn 3 hours in ELA or Math
  - Earn 9 hours in any subject(s)
- Enlist in the Armed Forces
  - District documents via intent to list (ASVAB) or letter from recruiter
- Earn an Industry-Based Certification
  - From state-adopted list
- Earn an Associate's Degree
- Graduate with Completed IEP and Workforce Readiness
- Complete an OnRamps Dual Enrollment Course
- Graduate under an Advanced Degree Plan as a Current Special Education Student
- Earn a Level I or Level II Certificate





If your student is looking for a small, focused, nontraditional high school experience, consider exploring Horizons. Horizons is new to Midway ISD and will have two opportunities available to students enrolling for the 2022-2023 school year. One program blueprint will focus on college experience and the other, career experience. These opportunities are provided through Midway High School; however, the Horizons campus will be located separately from the main campus. This smaller model will serve as a highly effective environment for students who are self-motivated and comfortable with online coursework options. In order to apply to the Horizons campus, students need to see their school counselor. Students cannot be credit deficient (see grade level-specific information below).

The Horizons college experience blueprint was created in partnership with McLennan Community College (MCC). This option is strategically designed to provide students the opportunity to finish high school in the traditional four years while *simultaneously* completing the Texas Core Curriculum (college basics) including an Associate's degree. The coursework taken through MCC is accepted by all universities within the state of Texas if fully completed within the four-year timeline.

The Horizons career experience blueprint is strategically designed to provide students with coursework that is directly related to entering the workforce. During the 11th and 12th grade years, students will have a shorter class schedule in order to provide dedicated time for 10+ hours per week of work experience. Students that enroll in this option will still have the necessary requirements to enter a community college after high school.

Please review the blueprint degree plans below, if interested! If you feel this nontraditional experience might be perfect for you, and you are not credit deficient, ask your campus counselor for more information. More information is also available by emailing the Horizons Counselor at [devina.derrick@midwayisd.org](mailto:devina.derrick@midwayisd.org)

Current 8th graders do not have to have any earned high school credits to apply.

Current 9th graders should have completed 8 credits.

Current 10th graders should have completed 16 credits.

Current 11th graders should have completed 24 credits.



# COLLEGE

## Humanities Endorsement Social Studies Pathway

World History | World Geography | US History | Government  
Economics | Psychology | Sociology

**9**  
GRADE

FALL

English 1 A  
Algebra 1 A  
Biology A  
World Geography A  
Foreign Language 1 A  
General Employability  
Health

SPRING

English 1 B  
Algebra 1 B  
Biology B  
World Geography B  
Foreign Language 1 B  
**Learning Frameworks**  
**Art/Music Appreciation**

**10**  
GRADE

FALL

English 2 A  
Geometry A  
IPC/Chemistry A  
World History A  
Foreign Language 2 A  
Psychology/Sociology  
**United States History 1**

SPRING

English 2 B  
Geometry B  
IPC/Chemistry B  
World History B  
Foreign Language 2 B  
**Intro to Public Speaking**  
**United States History 2**

**11**  
GRADE

FALL

English 3 A  
Algebra 2 A  
Physics or 3rd Science A  
**Economics, Sociology, Psychology**  
**Federal Government**  
Elective  
Elective

SPRING

English 3 B  
Algebra 2 B  
Physics or 3rd Science B  
**Philosophy 1301**  
**Texas Government**  
Elective  
Elective

**12**  
GRADE

FALL

**English 1301**  
**Math 1314, 1342, 1324**  
**Science Option**  
Elective  
Elective  
P.E. A  
Tutorials

SPRING

**English 1302**  
Economics  
**Science Option**  
Elective  
Elective  
P.E. B  
Tutorials

*\*If Chemistry or Physics is needed for a major (STEM), math will need to be taken prior to senior year (Math 1314 swap with Philosophy). Visit with a advisor for science option.*

Midway Courses **Dual Credit Courses**



# CAREER

## Business & Industry Endorsement Accounting & Financial Services Pathway

Principles of Business, Marketing & Finance | Money Matters  
Financial Math | Career Prep 1

**9**  
GRADE

**FALL**

English 1 A  
Algebra 1 A  
Biology A  
World Geography A  
Foreign Language 1 A  
Fine Arts A  
P.E. A  
**Business, Marketing & Finance A**

**SPRING**

English 1 B  
Algebra 1 B  
Biology B  
World Geography B  
Foreign Language 1 B  
Fine Arts B  
P.E. B  
**Business, Marketing & Finance B**

**10**  
GRADE

**FALL**

English 2 A  
Geometry A  
IPC/Chemistry A  
World History A  
Foreign Language 2 A  
Speech  
**Money Matters A**  
General Employability

**SPRING**

English 2 B  
Geometry B  
IPC/Chemistry B  
World History B  
Foreign Language 2 B  
Health  
**Money Matters B**  
General Employability

**11**  
GRADE

**FALL**

English 3 A  
**Financial Math A**  
Physics or 3rd Science A  
US History A  
**Career Prep 1 A**

**SPRING**

English 3 B  
**Financial Math B**  
Physics or 3rd Science B  
US History B  
**Career Prep 1 B**

**12**  
GRADE

**FALL**

College Prep English A  
College Prep Math A  
Environmental Systems A  
Government  
**Career Prep 2 A**

**SPRING**

College Prep English B  
College Prep Math B  
Environmental Systems B  
Economics  
**Career Prep 2 B**

Regular Courses **Endorsement Electives**



# Endorsement Basics

## What is an Endorsement?

An endorsement is a set of classes that allows a student to dig into an area of interest to them. It's similar to a college major, allowing the student to learn more about a particular subject area. Endorsements connect to different career paths and are meant to help students get familiar with the sorts of ideas, skills, and abilities related to those careers.

Students choose one or more endorsements out of five possibilities. During high school, they will complete a certain number of courses to earn credit toward their endorsement. When they graduate, their endorsement(s) will be reflected on their transcript.

**Arts & Humanities** Do you get excited about learning a new language? Do you dig studying the past and considering how it might impact the future? Do you follow what's going on in the world around you? Do you dream about being on stage or behind the scenes of the school play? Then the Art & Humanities endorsement might be for you!

**Career Examples:** political scientist, art director, economist, lawyer, choreography, translator

**Business & Industry** Do you get excited by the idea of starting your own business or playing the stock market? Want to work on construction sites or build websites and IT networks? Does the thought of being a CEO or manager sound cool? Then the Business & Industry endorsement might be for you!

**Career Examples:** administrative assistant, event planner, construction, airline pilot, financial manager

**Public Service** Do you get excited about helping other people or making the world a better place? Want to serve your country or be a police officer? Do you love to teach or work with children? Then the Public Service endorsement might be for you!

**Career Examples:** registered nurse, paralegal, emergency management director, teacher, therapist

**Science, Technology, Engineering & Math (STEM)** Do you get excited about building robots, making your own computer games or programs, or crunching numbers to make sure your fantasy football team is dialed? Does the thought of engineering sound cool? Do you do well in math and science classes? Then the STEM endorsement might be for you!

**Career Examples:** software developer, statistician, petroleum engineer, geoscientist, biochemist, pharmacist

**Multidisciplinary** If you have too many interests to pick just one endorsement, or you are still deciding what your future might look like, then the Multidisciplinary endorsement might be for you! It will help you graduate as a well-rounded student, ready to go in whatever direction you want.



# Meet the District Advising Team!

## MMS Panther Pathways/AVID Teachers – Daily Support for Current 8<sup>th</sup> Grade Students

- Darrin Davis
- Cheryl Moran
- John Sadler
- Travis Slaughter
- Cameron Tippie
- Cory Williams

## MMS Counselors – Daily Support for Current 8<sup>th</sup> Grade Students/Families

- Kirk Parker (A – G)
- Amy Beseda (H – O)
- Shana Wetzel (P – Z)

## MHS Counselors – Daily Support for Current 9<sup>th</sup> – 12<sup>th</sup> Grade Students/Families

- Kim Buth (Lead)
- Stacie Lathern (A – Con)
- Stephanie Isbell (Coo – Gl)
- Vanessa Gibson (Go – K)
- Karly Heffner (L – Ni)
- Kari Shelton (No – Shi)
- Melissa Kemp (Sho – Z)
- Ebony Stewart (College & Career Coordinator/AVID)

## MISD Director of College & Career Readiness/CTE

- Ashley Canuteson, Ed.D.

### WHERE DO I GO FOR HELP?

- **8<sup>th</sup> Grade:** Panther Pathways/AVID teachers; MMS alpha counselors
- **9<sup>th</sup> – 12<sup>th</sup> Grades:** MHS alpha counselors
- **All Grades:** [www.midwayisd.org](http://www.midwayisd.org) – Departments – College & Career Readiness





# Advisement and Scheduling

## Xello

- This online system is used in Panther Pathways/AVID at the middle school and in all high school academic advisement sessions for 4-year planning and course selection
- Excellent tool for students and parents to use on their own for career exploration, learning about high school course offerings, college options, and building a resume
- [www.midwayisd.org](http://www.midwayisd.org) – Departments – College & Career Readiness – Xello
- All students should have access to Xello through MyLocker

## Advisement/Scheduling Guidelines

- Students meet one-on-one with a member of the high school counseling staff and/or district advising team each year beginning in 8<sup>th</sup> grade to develop a 4-year plan for high school and lock-in course selection for the next year
- Parents and students can access 4-year plans and course selections through Xello at any time
- Once counselors lock-in course selections for the next year, students/parents have **ONE** opportunity to make change requests before all scheduling is locked permanently – this happens around **April 1<sup>st</sup>** and is called the “Verification Process”
- When students return in August, **requests for schedule changes will not be considered unless:**
  - a scheduling system error is found
  - a student is cut from (or accepted into) an athletic program
  - a medical reason is documented by a physician
  - a student is moving from an Honors/AP course into a comparable regular course
  - an ARD committee determines a change is necessary to meet student IEP goals

## Miscellaneous

- High school courses are tied to **credit** that is recorded on a transcript later sent to colleges and/or employers or the military, depending on student postsecondary goals
- **Courses cannot be repeated** unless a student fails to earn credit for the course
- Students cannot be enrolled in more than one PE/Athletic period in any given year
- If students play more than one sport, they should select the sport that occurs first in the school year when making all course selections
- If a student is removed from an athletic program, they will be placed in a PE class
- High school students have access to teacher tutorials outside the regular school day; there is no study period available in the 8-period day

## Texas Virtual School Network (TXVSN)

- The Texas Education Agency (TEA), per Texas Education Code Chapter 30A, provides online courses to eligible students through the Texas Virtual School Network (TXVSN). These courses are electronic correspondence courses. See your counselor for details regarding the impact on NCAA eligibility, the enrollment process, and course costs... or visit [txvsn.org](http://txvsn.org).



# Honors/AP Classes

## Important Points Related to Honors/AP Classes

- Honors/AP courses are rigorous and require student responsibility, dedication, and hard work
- Students should be strong, confident readers and should expect 30-45 minutes of homework/reading each night for each subject area (not including test preparation)
- For GPA purposes only, a multiplier is added to Honors/AP, Dual Credit and PLTW courses
- Grading guidelines may be different in Honors/AP courses
- A student's current teachers should be able to help make suggestions as to whether or not the student should select any Honors/AP courses for the next year
- Students should be very cautious about taking a full schedule of Honors/AP courses during the 9<sup>th</sup> grade as they acclimate to high school
- Students who sign up for Honors/AP courses but are not successful on STAAR tests related to the courses will be moved into a regular on-level course in order to receive appropriate interventions geared toward helping them on future STAAR tests
- Things to consider when deciding whether or not to take Honors/AP courses and how many Honors/AP courses to take:
  - level of student responsibility and self-initiative
  - time management skills
  - extracurricular activity involvement
  - family activities/commitments outside of school
  - stress management skills
  - desire for a rigorous curriculum
  - strengths and passions related to interests and postsecondary goals

## Helpful Resources

[www.midwayisd.org](http://www.midwayisd.org)

- Departments – College & Career Readiness
- Departments – Career & Technical Education
- Departments – Athletics
- Select a School – Midway High School – Contact Us – Midway High School Counselors
- Select a School – Midway High School – College & Career Center



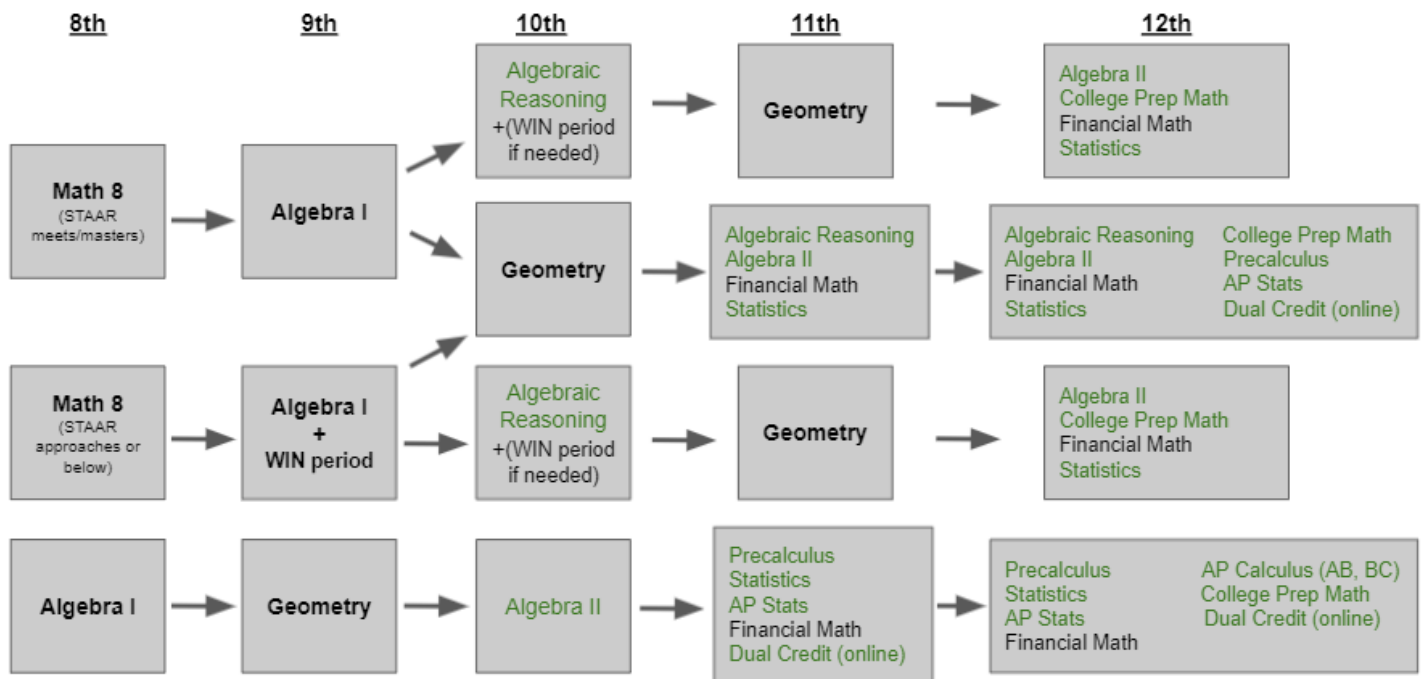
# Thinking About College?

For students who plan to attend a 4-year college or university immediately after high school, Midway ISD strongly encourages the following:

- Four years: English
- Four to five years: math to include Algebra II + an advanced math
- Four years: science to include physics
- Explore potential colleges/universities of interest to learn about specific recommendations regarding degree programs and entrance requirements they may have
- Prepare to take the ACT and SAT during 11<sup>th</sup> and/or 12<sup>th</sup> grade (for college admission requirements, check college websites)
- Some colleges require additional *placement* testing

Midway ISD has **Dual Credit** course opportunities through partnerships with McLennan Community College (MCC) and Texas State Technical College (TSTC). For more information about course offerings within Endorsements, admissions requirements, costs, and how to apply, contact the MHS College & Career Coordinator: [ebony.stewart@midwayisd.org](mailto:ebony.stewart@midwayisd.org)

## Math Flow Chart



High School Math Course Sequence  
9.28.21  
Endorsement Maths in Green

\*See a counselor for additional options related to advanced math sequencing





**If you are an 8<sup>th</sup> Grader: START ON THIS PAGE.**

**Traditional 9<sup>th</sup> Grade Schedule**

Subject	Setting
English I	On-level Honors Co-T/Res/ADC/FA
Algebra I (or Geometry if taken in middle school)	On-level Honors Co-T/Res/ADC/FA
Biology	On-level Honors Co-T/Res/ADC/FA
World Geography	On-level AP Human Co-T/Res/ADC/FA
PE/Athletics or CTE/Fine Art/Endorsement Elective	A&O Team Sports Partner PE MJROTC Band
CTE/Endorsement Elective	*SEE OPTIONS BY ENDORSEMENT BELOW*
LOTE or CTE/Fine Art/Endorsement Elective	*SEE OPTIONS BY ENDORSEMENT BELOW*
Fine Arts	*SEE OPTIONS BY ENDORSEMENT BELOW*

**\*Professional Communications and Lifetime Wellness are geared toward 10<sup>th</sup> – 12<sup>th</sup> grade students\***

Arts & Humanities (includes all Fine Arts)	Business & Industry	Public Services	STEM
Art I	Ag Mechanics	MJROTC I	Computer Science I (PLTW)
Band I	Commercial Photography I	Principles of Education & Training	Introduction to Engineering Design (PLTW)
Colorguard/Winterguard I	Fashion Design I	Principles of Health Science* <b>AND</b> Medical Terminology (2 credits in 1 period)	*Students should <b>not</b> take <b>BOTH</b> Principles of Health Science <b>AND</b> Principles of Biomedical Science
Concert Choir I	Floral Design	Principles of Biomedical Science (PLTW)* **	**Summer reading required
Dance Team I	Graphic Design I	Principles of Human Services	
Jazz Ensemble I	Principles of Ag, Food, & Natural Resources		
Orchestra I	(If taken/passed PAFNR): Ag Leadership, Equine/Small Animal, Wildlife		
Theatre Arts I	Principles of Arts, A/V & Communications		
Theatre Production I	Principles of Business, Marketing & Finance		
Technical Theatre I	Principles of Hospitality & Tourism		





# General Course Requirements

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

## English (4 credits)

- English I, English II, English III (or AP)
- English IV (or AP, DC)
- College Prep English **12**  
(4<sup>th</sup> English choice could impact Endorsement)

## Math (3 credits + 1 for Endorsement)

\*See Flow Chart in this manual for guidance\*

- 1<sup>st</sup>: Algebra I (required) **8 or 9**
- 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> options:
  - Geometry (required) **9-12**
  - Algebraic Reasoning **10-12**
  - Algebra II **10-12**
  - College Prep Math **12**
  - Statistics **11-12**

CTE Math supporting courses:

- Accounting II (CTE for Accounting Pathway)
- Digital Electronics (CTE for PLTW Engineering)
- Financial Mathematics (CTE)
- Robotics II (CTE for PLTW Engineering)

More 3<sup>rd</sup> and 4<sup>th</sup> options that *require Algebra II* as a prerequisite:

- Precalculus
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Dual Credit Math (Online)

## Science (3 credits + 1 for Endorsement)

- 1<sup>st</sup>: Biology
- 2<sup>nd</sup>: Chemistry or IPC (could impact Endorsement)
- 3<sup>rd</sup> and 4<sup>th</sup> options:
  - Advanced Animal Science (CTE)
  - Anatomy & Physiology (CTE)
  - AP Biology
  - AP Chemistry
  - AP Environmental Science
  - Aquatic Science
  - Astronomy
  - Chemistry
  - Engineering Science (CTE)
  - Food Science (CTE)
  - Forensic Science (CTE)
  - Pathophysiology (CTE)
  - Physics (or AP 1, AP 2, AP C)

## Social Studies (3 credits, but recommend 4 credits)

- Beginning credit options (1 required):
  - World Geography (or AP Human Geo.) **9**
  - World History (or AP) **10**
- US History (or AP, DC) – required
- Gov/Eco (or AP, DC) – required

## LOTE (2 credits of the same language)

- Year 1 (French, Spanish, Computer Sci.)
- Year 2 (French, Spanish, Computer Sci.)

## PE (1 credit)

- Adventure & Outdoor
- Applications of Fitness
- Partners PE
- Athletics (Tryouts required)
- MJROTC (4 credits max)
- Off campus PE (meet guidelines)
- Dance Team (1 credit only)
- Marching Band (2 fall semesters)
- Cheerleading (1 credit only)

## Fine Arts (1 credit)

- Art (including AP)
- Band
- Choir
- Dance
- Floral Design (CTE)
- Orchestra
- Theatre

## Speech (.5 credit)

- Professional Communications **10-12**

## Health (.5 credit)

- Lifetime Nutrition & Wellness **10-12**

## General Elective Options (not Endorsement-related)

- AVID I - IV
- College Transition/Test Prep (.5) **11-12**
- General Employability Skills (CTE) **11-12**
- PALS I and II **11-12**
- Sports Medicine I, II, III
- Student to Industry Connection (CTE) **11-12**



# Arts & Humanities Endorsement Guide

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

**\*\*\*Arts & Humanities Endorsement may substitute any of the following for the 4th science; however, student will not be eligible for the Distinguished Level of Achievement:**

- Additional course from English or Social Studies if not used as requirements in other areas:
  - Debate I, II, or III (not currently available at MHS)
  - AP Human Geography or World Geography
  - World History (or AP)
  - Psychology DC and Sociology DC
  - AP European History
- Additional course from LOTE not used in the 2 required credits or Endorsement Pathway:
  - French I, II, III, IV (AP)
  - Spanish I, II, III, IV (AP), V (AP)
  - **NOT ELIGIBLE: Computer Science I, II, III**
- Additional course from Fine Arts not used in the 1 required credit or Endorsement Pathway:
  - Art (including AP)
  - Music: Band, Choir, Orchestra (including Applied Music)
  - Dance
  - Theatre
  - **NOT ELIGIBLE: Floral Design (CTE)**

## **Endorsement Pathway Options for Arts & Humanities**

Students complete one Endorsement Pathway below in partial fulfillment of this Endorsement Plan

**\*Course descriptions are found in Xello\***

### **Fine Arts Pathway (4 credits from one or two disciplines below)**

- Art (including AP)
- Music: Band, Choir, Orchestra (including Applied Music)
- Dance
- Theatre

### **Humanities Pathway: LOTE (4 credits)**

- 4 levels of the same LOTE (French, Spanish)
- 2 levels each of 2 LOTE (French, Spanish) **NOT ELIGIBLE: Computer Science**

### **Humanities Pathway: Social Studies (5 credits)**

- World Geography (or AP Human Geography)
- World History (or AP)
- US History (or AP, DC)
- Government (.5)/Economics (or AP, DC)
- AP European History
- African American Studies
- Psychology DC (.5)
- Sociology DC (.5)
- Special Topics in Social Studies (credit varies)



# Business & Industry Endorsement Guide

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

Students complete one Endorsement Pathway below in partial fulfillment of this Endorsement Plan. Other courses of interest may be taken in addition to the selected sequence. Course substitutions may be made under the direction of a counselor.

**\*The state offers additional courses for this Endorsement; only Midway ISD course offerings/Pathways are listed here.\***

**\*Course descriptions are found in Xello\***

## CTE Pathways

- Endorsement criteria: 4 coherent credits, 2 courses from the same career cluster and 1 **advanced** course
- TEA POS criteria: 3+ courses for 4+ credits with at least one “preparation” or “training” level course

## Agriculture, Food, and Natural Resources

General Agriculture				
	Awareness	Exploration	Preparation	Training
<b>Recommended Course Sequence</b>	Principles of Agriculture, Food & Natural Resources <b>8-11</b>	Ag Mechanics & Metal Technologies <b>9-11</b> --- Wildlife, Fisheries & Ecology Mgmt. <b>9-12</b>	Any <b>advanced</b> level animal, floral, mechanics classes	<i>Ag Leadership/</i> PBR I, II, III <b>9-12</b>
<b>Supporting Courses</b>		Any animal, floral, mechanics classes		

Animal Science – Veterinary Medicine				
Can fulfill STEM Endorsement with Algebra II, chemistry and physics				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Agriculture, Food & Natural Resources <b>8-11</b>	Small Animal (.5) and Equine Science (.5) <b>9-12</b>	Livestock Production <b>10-12</b> --- Veterinary Medical Applications <b>10-12</b>	Advanced Animal Science <b>11-12</b> --- Practicum in Ag: Vet (2) <b>12</b>
<b>Supporting Courses</b>				<i>Ag Leadership/</i> PBR I, II, III <b>9-12</b>
<b>Possible Certifications</b>	<i>Certified Veterinary Assistant, OSHA-10, Feed Yard Technician in Cattle Care &amp; Handling</i>			





<b>Applied Agricultural Engineering</b>				
<b>Can fulfill STEM Endorsement with Algebra II, chemistry and physics</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>	Principles of Agriculture, Food & Natural Resources (optional) <b>8-11</b>	Ag Mechanics & Metal Technologies <b>9-11</b>	Ag Structures Design & Fabrication <b>10-12</b> --- Ag Power Systems (2) <b>10-12</b>	Practicum in Ag I, II: Metal/Power (2) <b>11-12</b>
<b>Supporting Courses</b>				Ag Leadership/ PBR I, II, III <b>9-12</b>
<b>Possible Certifications</b>	OSHA-30, AWS SENSE Welding Level 1 or D1.1			



<b>Plant Science – Floral Design</b>				
<b>Can fulfill STEM Endorsement with Algebra II, chemistry and physics</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>	Principles of Agriculture, Food & Natural Resources (optional) <b>8-11</b>	Floral Design <b>9-12</b>	Advanced Floral Design <b>10-12</b>	Practicum in Ag I, II: Floral Design (2) <b>11-12</b>
<b>Supporting Courses</b>				Ag Leadership/ PBR I, II, III <b>9-12</b>
<b>Possible Certifications</b>	Texas State Floral Association Knowledge Based, Level One, Level Two			





## Architecture and Construction

Architectural Design – GWAMA				
Can fulfill STEM Endorsement with Algebra II, chemistry and physics				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence		Architectural Design I 10-12	Architectural Design II (2) 11-12 --- @MHS Civil Engineering & Architecture (PLTW) 11-12	Practicum in Architectural Design (2) 12
Supporting Courses	@MHS Introduction to Engineering Design (PLTW IED) 9-11	Introduction to Computer Aided Drafting 10-12	Intermediate Computer Aided Drafting 11-12	
Possible Certifications	Autodesk Professional/User AutoCAD, Revit Architecture			



Carpentry – GWAMA Construction Science				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence		Construction Technology I (2) 10-12	Construction Technology II (2) 11-12	Practicum in Construction Technology (2) 12
Supporting Courses	@MHS Ag Mechanics & Metal Technologies 9-11			
Possible Certifications	NCCER Carpentry Level 1			



## Arts, A/V Technology and Communications

Design and Multimedia Arts – Fashion Design				
	Awareness	Exploration	Preparation	Training
Recommended Course Sequence	Principles of Arts, A/V Technology & Communications (optional) 9-11	Fashion Design I 9-11	Fashion Design II 10-12	Career Prep I (2) 12
Supporting Courses	Principles of Human Services (optional) 9-11			Practicum in Fashion Design I, II (2) 11-12





Design and Multimedia Arts – Graphic Design				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>		Graphic Design & Illustration I 9-11	Graphic Design & Illustration II 10-12	Practicum in Graphic Design I, II (2) 11-12 --- Career Prep I (2) 12
<b>Supporting Courses</b>	Principles of Arts, A/V Technology & Communications 9-11			
<b>Possible Certifications</b>	<i>Adobe Photoshop, Illustrator</i>			

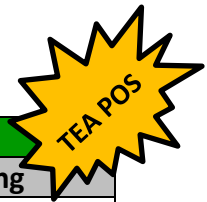


Design & Multimedia Arts – Photography & Journalism (Newspaper/Yearbook)				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Commercial Photography I 9-11	Graphic Design & Illustration I (News/Year) 10-11	Commercial Photography II (News/Year) 11-12	Graphic Design & Illustration II (News/Year) 12 --- Career Prep I (2) 12
<b>Supporting Courses</b>	Principles of Arts, A/V Technology & Communications 9-11			Independent Study in Journalism 11-12
<b>Possible Certifications</b>	<i>Adobe Photoshop, InDesign</i>			

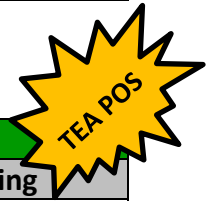


Digital Communications – A/V Production				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Arts, A/V Technology & Communications 9-11	A/V Production I 10-12 --- Professional Communications (.5) 10-12	A/V Production II + optional lab 11-12	Practicum in A/V Production (2) 12
<b>Possible Certifications</b>	<i>Adobe Premiere Pro</i>			

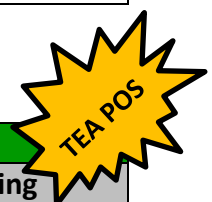




Accounting & Financial Services				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Business, Marketing & Finance 9-11	Accounting I 10-12 --- Financial Mathematics 10-12	Accounting II 11-12 --- Financial Analysis 11-12	Practicum in Business Management (2) 12 --- Career Prep I (2) 12
<b>Possible Certifications</b>	Microsoft Office Specialist Excel			



Business Management				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Business, Marketing & Finance 9-11	Business Law 10-12	Business Management 10-12	Practicum in Business Management (2) 12 --- Career Prep I (2) 12
<b>Possible Certifications</b>	Microsoft Office Specialist Word, Excel, Entrepreneurship & Small Business Management			



Entrepreneurship				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Business, Marketing & Finance 9-11	Entrepreneurship 10-12		Practicum in Business Management (2) 12 --- Career Prep I (2) 12
<b>Supporting Courses</b>			Social Media Mkt(.5) and Sport Mkt(.5) 10-12	
<b>Possible Certifications</b>	Microsoft Office Specialist Excel, Word, Entrepreneurship & Small Business Management			



## Hospitality and Tourism



Culinary Arts				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence	Principles of Hospitality & Tourism 9-11 --- Introduction to Culinary Arts 10-11	<i>Foundations of Restaurant Management</i> 10-12		Food Science 11-12 --- Career Prep I (2) 12
Supporting Courses		Entrepreneurship 10-12	Travel & Tourism Management 10-12	
Possible Certifications	ServSafe Manager			

## Manufacturing



Advanced Manufacturing Machinery Mechanics – GWAMA Electronics & Robotics				
Can fulfill STEM Endorsement with Algebra II, chemistry and physics				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence		Engineering Design & Presentation I 10-12 --- Robotics I 10-12	Robotics II 11-12	Practicum in Manufacturing (2) 12
Supporting Courses	@MHS Introduction to Engineering Design (PLTW IED) 9-11		AC/DC Electronics 11-12 --- Engineering Science 11-12	Solid State Electronics 12 --- Digital Electronics 11-12
Possible Certifications	SolidWorks Associate, FANUC Robot Operator 1			





<b>Welding – GWAMA</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>		Introduction to Welding <b>10-12</b> --- Welding I (2) <b>11-12</b>	Welding II (2) <b>11-12</b>	Practicum in Manufacturing (2) <b>11-12</b>
<b>Supporting Courses</b>	@MHS Ag Mechanics & Metal Fabrication <b>9-11</b>	Occupational Safety and Environmental Technology <b>10-12</b>		
<b>Possible Certifications</b>	AWS D1.1 Steel, D9.1 Sheet Metal			



# Public Services Endorsement Guide

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

Students complete one Endorsement Pathway below in partial fulfillment of this Endorsement Plan. Other courses of interest may be taken in addition to the selected sequence. Course substitutions may be made under the direction of a counselor.

**\*The state offers additional courses for this Endorsement; only Midway ISD course offerings/Pathways are listed here.\***

**\*Course descriptions are found in Xello\***

## Marine Corps JROTC Pathway

- Endorsement criteria: 4 courses in Junior Reserve Officer Training Corps (JROTC)

## CTE Pathways

- Endorsement criteria: 4 coherent credits, 2 courses from the same career cluster and 1 **advanced** course
- TEA POS criteria: 3+ courses for 4+ credits with at least one “preparation” or “training” level course

## Education and Training

Teaching & Training				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Education and Training <b>9-11</b> --- Principles of Human Services <b>9-11</b>	Child Development <b>10-12</b>	Instructional Practices (2) <b>11-12</b>	Practicum in Education and Training (2) <b>12</b>
<b>Supporting Courses</b>		Lifetime Nutrition (.5) <b>10-12</b>	Counseling & Mental Health <b>10-12</b>	



## Health Science

Biomedical Science – PLTW				
Can fulfill STEM Endorsement with Algebra II, chemistry and physics				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Biomedical Science (PLTW PBS) <b>9-10</b>	Human Body Systems (PLTW HBS) <b>10-12</b>	Medical Interventions (PLTW MI) <b>11-12</b>	Pathophysiology <b>12</b> --- Practicum in STEM (2) OR Scientific Research & Design <b>12</b>
<b>Supporting Courses</b>		Anatomy & Physiology <b>10-12</b>	Health Science Theory <b>10-12</b>	Practicum in Health Science (2) <b>12</b>





<b>Healthcare Diagnostics/Therapeutic/Medical Therapy</b>				
<b>Can fulfill STEM Endorsement with Algebra II, chemistry and physics</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>	Principles of Health Science/Medical Terminology (2 credits/1 period) <b>9-10</b>	<b>Anatomy &amp; Physiology</b> <b>10-12</b>	Health Science Theory <b>10-12</b>	Practicum in Health Science (2) <b>12</b> --- Pathophysiology <b>12</b>
<b>Possible Certifications</b>	<i>EKG/ECG, Patient Care Technician</i>			



<b>Healthcare Therapeutic – GWAHCA CNA/Advanced CNA</b>				
<b>Can fulfill STEM Endorsement with Algebra II, chemistry and physics</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>	@MHS Principles of Health Science/Medical Terminology (2 credits/1 period) <b>9-10</b>		<b>Anatomy &amp; Physiology</b> <b>11-12</b> --- Health Science Theory/Clinical (2) <b>11-12</b>	Pathophysiology <b>11-12</b> --- Practicum in Health Science: Clinical (2) <b>12</b>
<b>Supporting Courses</b>		@MHS <b>Counseling &amp; Mental Health</b> <b>10-12</b>	Project-Based Research <b>11-12</b>	<b>Math for Medical Professionals</b> <b>11-12</b>
<b>Possible Certifications</b>	<i>Certified Nurse Assistant (CNA), EKG/ECG Technician</i>			



<b>Healthcare Therapeutic – GWAHCA Pharmacy Technician</b>				
<b>Can fulfill STEM Endorsement with Algebra II, chemistry and physics</b>				
	<b>Awareness</b>	<b>Exploration</b>	<b>Preparation</b>	<b>Training</b>
<b>Recommended TEA Course Sequence</b>	@MHS Principles of Health Science/Medical Terminology (2 credits/1 period) <b>9-10</b>		<b>Medical Microbiology</b> <b>11-12</b> --- Health Science Theory/Clinical (2) <b>11-12</b>	Pharmacology <b>11-12</b> --- Practicum in Health Science: Clinical (2) <b>12</b>
<b>Supporting Courses</b>		@MHS <b>Counseling &amp; Mental Health</b> <b>10-12</b>	World Health Research <b>12</b>	<b>Math for Medical Professionals</b> <b>11-12</b>
<b>Possible Certifications</b>	<i>Certified Pharmacy Technician</i>			



## Human Services



Family & Community Services				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	Principles of Human Services 9-11 --- Dollars & Sense (.5) 10-12	Lifetime Nutrition (.5) 10-12 --- Professional Communications (.5) 10-12 --- Child Development 10-12	Counseling & Mental Health 10-12	Career Prep I (2) 12
<b>Supporting Courses</b>				PALS for Panther Kids 11-12

## Law, Public Safety, Corrections, and Security

General Law and Legal Studies				
	Awareness	Exploration	Preparation	Training
<b>Recommended Course Sequence</b>		Business Law 10-12 --- Court Systems & Practices 10-12	Counseling & Mental Health 10-12	Forensic Science 11-12



Emergency Services – MCC Dual Credit				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>		@MHS Anatomy & Physiology 10-12	@MHS Counseling & Mental Health 10-12	Emergency Medical Technician – Basic (2) (Dual Credit) 12 --- Project-Based Research (EMT) (Dual Credit) 12
<b>Supporting Courses</b>	@MHS Principles of Health Science/Medical Terminology (2 credits/1 period) 9-10		@MHS Health Science Theory 10-12	
<b>Possible Certifications</b>	Emergency Medical Technician - Basic			







Law Enforcement – MCC Dual Credit				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence	Principles of Law, Public Safety, Corrections & Security (Dual Credit) 11-12	Criminal Investigation (Dual Credit) 11-12	Law Enforcement II (Dual Credit) 11-12	@MHS Counseling & Mental Health 10-12
		---	---	---
		Law Enforcement I (Dual Credit) 11-12	Correctional Services (Dual Credit) 11-12	Forensic Science 11-12



Legal Studies – MCC Dual Credit				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence	Principles of Law, Public Safety, Corrections & Security (Dual Credit) 11-12	@MHS or @MCC (Dual Credit) Business Law 10-12	Advanced Legal Skills and Professions (Dual Credit) 11-12	Career Prep I (2) 12
		---		
		@MHS or @MCC (Dual Credit) Court Systems & Practices 10-12		



# STEM Endorsement Guide

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

**Algebra II, chemistry, and physics are required courses for any Pathway in the STEM Endorsement**

Students complete one Endorsement Pathway below in partial fulfillment of this Endorsement Plan. Other courses of interest may be taken in addition to the selected sequence. Course substitutions may be made under the direction of a counselor.

**\*The state offers additional courses for this Endorsement; only Midway ISD course offerings/Pathways are listed here.\***

**\*Course descriptions are found in Xello\***

## Math Pathway

- Endorsement criteria: 3 credits in math including Algebra II and 2 additional for which Algebra II is a prerequisite

## Science Pathway

- Endorsement criteria: 4 credits in science including chemistry, physics, and 2 additional upper level sciences

## Blended STEM Pathway

- Endorsement criteria: in addition to Algebra II, chemistry, and physics, a coherent sequence of 3 additional credits from no more than 2 of the following: Math Pathway, Science Pathway, CTE Pathways

## CTE Pathways

- Endorsement criteria: 4 coherent credits, 2 courses from the same career cluster and 1 **advanced** course
- TEA POS criteria: 3+ courses for 4+ credits with at least one "preparation" or "training" level course

## Science, Technology, Engineering, and Mathematics

Cybersecurity - PLTW				
Will fulfill Business & Industry Endorsement if math/science requirements not met				
	Awareness	Exploration	Preparation	Training
Recommended TEA Course Sequence	Computer Science I (PLTW CSE) (LOTE credit) <b>9-11</b>	Foundations of Cybersecurity <b>10-12</b>	Cybersecurity Capstone <b>11-12</b> --- Project-Based Research <b>11-12</b>	Practicum in Information Technology (2) OR Practicum in STEM (2) <b>12</b>
Supporting Courses	GTT Coding/Computer Science <b>8</b>			
Possible Certifications	Cisco CCENT, CompTIA A+, Network+, Security+, IT Fundamentals+			





Engineering - PLTW				
Will fulfill Business & Industry Endorsement if math/science requirements not met				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>	<i>Introduction to Engineering Design (PLTW IED)</i> 9-11	<b>Digital Electronics (PLTW DE)</b> 10-12	<i>Aerospace Engineering (PLTW AE)</i> 10-12 --- <i>Engineering Science (PLTW ES)</i> 11-12 --- <i>Civil Engineering and Architecture (PLTW CEA)</i> 11-12	<i>Engineering Design &amp; Development (PLTW EDD)</i> 12 --- <b>Practicum in STEM (2)</b> 12
<b>Supporting Courses</b>	GTT Engineering 8	Robotics I 10-12	<b>Robotics II</b> 11-12	Project-Based Research (Robotics III) 12
<b>Possible Certifications</b>	<i>Autodesk Professional/User Inventor, Fusion360, Revit Architecture, FAA Remote Drone Pilot</i>			



Programming & Software Development Pathway - PLTW				
Will fulfill Business & Industry Endorsement if math/science requirements not met				
	Awareness	Exploration	Preparation	Training
<b>Recommended TEA Course Sequence</b>		Computer Science I (PLTW CSE) (LOTE credit) 9-11	<b>Computer Science II (PLTW CSP) (LOTE credit)</b> 10-12	<b>Computer Science III (PLTW CSA) (LOTE credit)</b> 11-12 --- <b>Practicum in Information Technology (2)</b> OR <b>Practicum in STEM (2)</b> 12
<b>Supporting Courses</b>	GTT Coding/Computer Science 8			



# Multidisciplinary Endorsement Guide

Students are required to graduate with at least 28 credits.  
Foundation Requirements + Endorsement Pathway + Speech + Health + CTE

## Endorsement Pathway Options for Multidisciplinary

Students complete one Endorsement Pathway below in partial fulfillment of this Endorsement Plan

**\*The state offers additional courses for this Endorsement; only Midway ISD course offerings/Pathways are listed here.\***

**\*Course descriptions are found in Xello\***

### Future Ready Pathway

- Endorsement criteria: 4 advanced courses that prepare students to enter the workforce successfully or postsecondary education without remediation (mix and match from areas below); from among any Endorsement area; do not have to be in a coherent sequence
  - **Advanced CTE courses** from any Endorsement Pathway (no coherent sequence required)
  - College Prep English
  - College Prep Math

### 4x4 Pathway

- Endorsement criteria: 4 credits in each of the 4 foundation subject areas (English, math, science, social studies) to include:
  - chemistry and/or physics **\*IPC cannot substitute for this requirement but can be one of the sciences**
  - English IV (regular, Dual Credit, or AP) **\*College Prep English cannot substitute for this requirement but can be an elective course**

### College Credit Pathway

- Endorsement criteria: 4 credits in Advanced Placement (AP) or dual credit selected from:
  - English
  - Math
  - Science
  - Social Studies
  - Economics
  - LOTE
  - Fine Arts



# Midway ISD CTE Course Offerings by Career Cluster

advanced courses in **red**; innovative courses in *italics*; credits more or less than 1 in ( )

## Career Development – Courses by Alpha

- **Career Prep (2) 12**
- *General Employability Skills 10-12*
- Project-Based Research I, II, III 9-12
- *Student to Industry Connection 11-12*

## Agriculture, Food, and Natural Resources – Courses by Alpha

- **Advanced Animal Science 11-12**
- **Advanced Floral Design 10-12**
- *Ag Leadership/Project Based Research I, II, III 9-12*
- Ag Mechanics & Metal Technologies 9-11
- **Ag Power Systems (2) 10-12**
- **Ag Structures Design & Fabrication 10-12**
- **Equine Science (.5)/Small Animal Management (.5) 9-12**
- Floral Design 9-12
- **Livestock Production 10-12**
- **Practicum in Agriculture, Food, and Natural Resources I, II (2) (Floral, Metal/Power, Vet) 11-12**
- Principles of Agriculture, Food, and Natural Resources 8-11
- **Veterinary Medical Applications 10-12**
- **Wildlife, Fisheries, and Ecology Management 9-12**

## Architecture and Construction – Courses by Alpha

- See the College & Career Coordinator for an updated list of offerings at GWAMA

## Arts, A/V Technology and Communications – Courses by Alpha

- **Audio/Video Production I 10-12**
- **Audio/Video Production II + optional lab 11-12**
- Commercial Photography I 9-11
- **Commercial Photography II 11-12**
- Fashion Design I 9-11
- **Fashion Design II 10-12**
- Graphic Design & Illustration I 9-11
- **Graphic Design & Illustration II 10-12**
- **Practicum in A/V Production (2) 12**
- **Practicum in Fashion Design I, II (2) 11-12**
- **Practicum in Graphic Design I, II (2) 11-12**
- Principles of Arts, A/V Technology and Communications 9-11
- Professional Communications (.5) 10-12

## Business, Marketing, and Finance – Courses by Alpha

- **Business Management and Administration**
  - **Business Law 10-12**
  - **Business Management 10-12**
  - **Practicum in Business Management (2) 12**
  - Principles of Business, Marketing, and Finance 9-11
- **Finance**
  - **Accounting I 10-12**



- Accounting II 11-12
- Financial Analysis 11-12
- Financial Math 10-12
- Marketing
  - Entrepreneurship 10-12
  - Social Media Marketing (.5) 10-12
  - Sports and Entertainment Marketing (.5) 10-12

### Education and Training – Courses by Alpha

- Practicum in Education and Training (2) 12
- Principles of Education and Training 9-11
- Instructional Practices (2) 11-12

### Health Science – Courses by Alpha

- Anatomy and Physiology 10-12
- Health Science Theory 10-12
- Human Body Systems (PLTW) 10-12
- Medical Interventions (PLTW) 11-12
- Medical Terminology 9-10
- Pathophysiology 12
- Practicum in Health Science (2) 12
- Principles of Biomedical Science (PLTW) 9-10
- Principles of Health Science 9-10
- See the College & Career Coordinator for an updated list of offerings at GWAHCA

### Hospitality and Tourism – Courses by Alpha

- Food Science 11-12
- Foundations of Restaurant Management 10-12
- Introduction to Culinary Arts 10-11
- Principles of Hospitality and Tourism 9-10
- Travel and Tourism Management 10-12

### Human Services – Courses by Alpha

- Child Development 10-12
- Counseling and Mental Health 10-12
- Dollars and Sense (.5) 10-12
- Lifetime Nutrition and Wellness (.5) 10-12
- Principles of Human Services 9-11

### Information Technology – Courses by Alpha

- Practicum in Information Technology (2) 11-12

### Law, Public Safety, Corrections and Security – Courses by Alpha

- Advanced Legal Systems and Professions (MCC Dual Credit) 11-12
- Criminal Investigation (MCC Dual Credit) 11-12
- Correctional Services (MCC Dual Credit) 11-12
- Court Systems and Practices (MHS or MCC Dual Credit) 10-12
- Emergency Medical Technician (EMT) – Basic (2) (MCC Dual Credit) 12
- Forensic Science 11-12
- Law Enforcement I, II (MCC Dual Credit) 11-12
- Principles of Law, Public Safety, Corrections and Security (MCC Dual Credit) 11-12



## Manufacturing – Courses by Alpha

- See the College & Career Coordinator for an updated list of offerings at GWAMA

## Science, Technology, Engineering, and Math – Courses by Alpha

- *Aerospace Engineering (PLTW) 10-12*
- *Civil Engineering and Architecture (PLTW) 11-12*
- Computer Science I, II, III (PLTW) (LOTE credits) 9-12
- *Cybersecurity Capstone (PLTW) 11-12*
- *Digital Electronics (PLTW) 10-12*
- *Engineering Design and Development (PLTW) 12*
- *Engineering Science (PLTW) 11-12*
- Foundations of Cybersecurity (PLTW) 10-12
- *GTT Engineering (PLTW) (.5) 8*
- *GTT Coding/Computer Science (PLTW) (.5) 8*
- *Introduction to Engineering Design (PLTW) 9-11*
- *Practicum in STEM (2) 12*
- Robotics I, II 10-12
- *Scientific Research and Design 12*
- See the College & Career Coordinator for an updated list of offerings at GWAMA

