Academic and Career Planning Guide

2025-2026

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Parents & Students

The Mauston High School Academic and Career Planning Guide has been prepared to help you plan your four-year educational program. A study of the content will reveal the academic strength of the curriculum and the diversity of curricular offerings. The many options will allow you to individualize your course of study and to meet your objectives, needs, and interests.

In addition to describing classes, the Academic and Career Planning Guide provides information about graduation requirements, credits, grades, Laude, career guidance, Advanced Placement courses, and special programs. Please use this handbook to make informed decisions about your future.

Mauston staff members are prepared to help you make the most of your opportunities. Our personal best wishes are extended to you for a positive, involved, and successful school year.

Pupil Non-Discrimination
The Mauston School District does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion or handicap.

College and Career Center

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Student Assignments:

Student	**School Counselor**
9th Grade 2029	**Mrs. Quist**
10th Grade 2028	**Mrs. Feit**
11th Grade 2027	**Mrs. Quist**
12th Grade 2026	**Mrs. Feit**

Registration For Classes: Course selection is a process students and parents should take seriously. Parents are asked to approve all student course selections and are encouraged to contact school personnel with any questions or concerns.

Students . . .

- are reminded that decisions made in the registration process are important and not to be taken lightly.
- should make their course selections carefully and discuss them with their parents, teachers, and school counselor.
- when registering for classes, choices should be based on their interests, needs, career aspirations, and graduation requirements.

Parents. . .

- should encourage students to take full advantage of the investment all of us have made in education in Mauston.
- must approve their student's registration requests.
- are reminded that careful planning now will assure a productive and beneficial education in both the short and the long term.

We wish you an enjoyable and pleasant school year.

Table of Contents

Course Descriptions By Department:

Plans of Study:

Appendix

Welcome to Mauston High School

This Academic and Career Planning Guide is designed to provide students and parents the information needed to plan for student success in high school and prepare for life. As students design their four year plan, they should use this guide as a resource to:

- ***Explore your interests through your classes.*** In addition to taking your core curriculum, consider taking additional classes such as those listed in Family & Consumer, Fine Arts, Agriculture, Technology Education and Business Education – to demonstrate a well-balanced academic background.
- ***Master the basics.*** Strengthen your reading, writing, math and vocabulary skills for college and scholarship essays, as well as the standardized tests.
- ***Plan your high school curriculum early.*** Early planning will ensure you are preparing for college and career requirements.

The initiative should be taken by *the student*, as *the student* must shape the direction of his or her life and determine where and how to apply his or her effort and talents. Students need to answer the following questions:

1. Am I working each year to meet graduation requirements?
2. Am I selecting courses consistent with my interests and abilities?
3. Am I anticipating and preparing for a productive future?

ACADEMIC CAREER PLANNING

A student's four-year high school program provides a framework within which a student can prepare for a variety of post-secondary options. School counselors meet with all four grade levels to discuss the student Academic Career Plan (ACP) as it relates to high school transition, current goals, future plans, and course sequencing. Seniors and Juniors have individual ACP conferences scheduled with school counselors in the Fall semester. Sophomores and Freshmen have individual ACP conferences scheduled with school counselors in the Spring semester. Annually, school counselors offer large group planning presentations and workshops for Seniors, Juniors, Sophomores, Freshmen, and their parents. Additional workshops and seminars are offered during Pride Time for grade level programming priorities. The goal is to provide group and personal guidance to help all students with their planning. Students meet regularly to discuss various topics to develop and update their academic career plan. Please see the ACP section of the course book for additional information.

COURSE SELECTION

Once a student requests a course, a series of commitments on the part of the school are made. Courses offered will depend on enrollment requests. A minimum number of students must request a course before the course will be offered. When a course is canceled, the student may select another course in its place or an alternate course may be assigned. ***Course selection, therefore, is extremely important and should be considered as much a commitment on the part of the student as the school.***

We urge students to consult with teachers, school counselors, and administrators before making course selections. After securing the basic information, students should discuss their choices with their parents and come to an agreement. Keeping this information in mind, ***the school expects students to honor their commitments and parents to support the school, which is providing the requested program for their son or daughter.***

As students proceed through the process of selecting courses, they should remember to have alternative course selections in mind in the elective areas in case a scheduling conflict should occur. ***Classes with low enrollment are subject to cancellation***

SCHEDULE CHANGES

We believe that student interest should drive the master schedule. As a result, the classes offered each year change. The development of the master schedule, as well as the employment of faculty is based on the course selections made by students. An administrator may approve a student dropping a course after the start of the term with the understanding that the student's transcript may reflect a failing grade for the dropped course. Criteria that permit a class to be dropped/replaced after the 3rd day are as follows:

- upgrade a schedule's rigor
- complete a graduation requirement
- placed incorrectly in a class
- lacks prerequisites

No schedule changes are granted after the third day of classes without administrative approval. The administration reserves the right to deny any change in schedule if the rigor of the replacement course drops below the current scheduled course.

CHANGING TEACHERS

Due to the scheduling and staffing requirements involved in developing student schedules, requests to change teachers will not be honored unless extreme extenuating circumstances are present. Administrative approval is required.

HONOR ROLL

Students with a grade average of 3.0 or will be placed on the honor roll at the end of Semester 1 and Semester 2. This list will be posted on the Mauston School website.

LAUDE SYSTEM

The Laude System is a point-based system, utilizing a student's grade point average after seven semesters and the number of semesters of advanced coursework.

Under the Laude system students must meet the following criteria; a minimum 3.2 C.G.P.A at the end of 7 semesters and earn a minimum of 26 Laude points. Laude points are only awarded by earning a passing grade in a Laude designed course. Laude honor points are calculated by multiplying the student's GPA by the number of credits accumulated in Laude courses.

Laude Distinctions:
Once a student meets these requirements they earn one of the following distinctions:
Cum Laude (with honor/distinction), 26-33.99 honor points.
Magna Cum Laude (with great honor/distinction) 34-41.99 honor points
Summa Cum Laude (with highest honor/distinction) 42 honor points or more

Laude Calculation: Multiply total Laude points by cumulative GPA. The Laude designation will be finalized at the end of the 3rd quarter.

Students will earn one point per semester for designated advanced courses. A student must successfully complete the course to earn Laude points. A complete listing of these courses can be found online on the high school registration information page. To calculate a student's total laude score, multiply the student's cumulative GPA at the end of the first semester of their senior year by the number of semesters of advanced classes successfully completed through their four years of high school.

GRADING SCALE

Grade Mark	*High*	*Low*
A	*100.00%*	*93.00%*
A-	*92.99%*	*90.00%*
B+	*89.99%*	*87.00%*
B	*86.99%*	*83.00%*
B-	*82.99%*	*80.00%*
C+	*79.99%*	*77.00%*
C	*76.99%*	*73.00%*
C-	*72.99%*	*70.00%*
D+	*69.99%*	*67.00%*
D	*66.99%*	*63.00%*
D-	*62.99%*	*60.00%*
E	*59.99%*	*59.98%*
F	*59.95%*	*0.00%*

VOLUNTEER SERVICE HONOR CORD GUIDELINES

- 300 hours (minimum) of volunteer service to the community during 4 years of high school. **<u>This is unpaid, volunteer work.</u>**
    - 250 of the 300 hours must be completed outside of school day hours (cannot be during your class time or within your 7:55am - 3:20pm school day)
    - A maximum of 50 hours can be counted from on campus, school day hours toward the Honor Cord. This includes (but is not limited to): Link Crew, Key Club food drive organization, Veteran headstone cleaning, FFA Volunteer day, Veteran's Day, SUMMER band responsibilities that you are not earning credit for during the

school year (marching, fund raising, etc.)
    - Hours that WILL NOT be considered volunteer are: Office Aid, Classroom Assisting, tutoring.
        - This is because you are earning high school credits for these opportunities in class.
- Hours towards the Honor Cord must be completed AND submitted by May 1st of the senior year to the Mauston High School College and Career Center.
- Late hours will not be accepted after the deadline.

REQUEST FOR EARLY RELEASE

The Board of Education acknowledges that some students are pursuing educational goals which include early release from high school at an earlier date than their designated class. This is only allowable after completing semester one of senior year. Application for early release must be submitted to the high school principal no later than October 1st of the senior year. The principal may honor this request if the application has been received by October 1st, all conditions for graduation are met, and the student fulfills the graduation requirements. Please note: early release is NOT early graduation. A diploma will NOT be issued earlier than the designated graduation date. The student may participate in the graduation ceremonies with his/her designated class. Also note that by requesting early release, the student forfeits any laude points that could potentially be earned during the second semester of their senior year. Again, Mauston High School will not issue a high school diploma prior to the class graduation date.

SCHEDULES

Mauston High School runs a modified block schedule that can be made up of both a 90 minute block course(s) that meets for 9 weeks and/or 45 minute skinny course(s) that meet for 18 weeks. Credit and permanent grades post for a block course at the end of nine weeks and at the end of 18 weeks for a skinny course. The modified block schedule provides all students with the opportunity to broaden their educational base through exposure in a variety of classes. In a modified block schedule most students average 8.0 credits each school year. The graduation requirements are listed on page 17.

MODIFIED BLOCK CLASS SCHEDULE (SUBJECT TO CHANGE)

Monday/Thursday Schedule		Tuesday, Wednesday, Friday Schedule	
Block 1	7:55 to 9:19	Block 1	7:55 to 9:24
Pride Time	9:23 to 10:08	Pride Time	9:31 to 10:01
Block 2	10:12 to 11:36	Block 2	10:07 to 11:36
Block 3 Class First Lunch	11:40 to 1:03 1:07 to 1:47	Block 3 Class First Lunch	11:40 to 1:03 1:07 to 1:47
Block 3 Lunch First Class	11:40 to 12:20 12:23 to 1:47	Block 3 Lunch First Class	11:40 to 12:20 12:23 to 1:47
Block 3A	11:40 to 12:20	Block 3A	11:40 to 12:20
Block 3B	12:23 to 1:03	Block 3B	12:23 to 1:03
Block 3C	1:07 to 1:47	Block 3C	1:07 to 1:47
Block 4	1:51 to 3:20	Block 4	1:51 to 3:20
Block 4A	1:51 to 2:34	Block 4A	1:51 to 2:34
Block 4B	2:37 to 3:20	Block 4B	2:37 to 3:20

ATHLETIC PROGRAM

Mauston High School is a member of the Wisconsin Interscholastic Athletic Association (WIAA) and competes within the South Central Conference.

Girls' Fall	Cheerleading	Cross Country	Tennis	Volleyball
Girls' Winter	Basketball	Hockey	Wrestling	
Girls' Spring	Softball	Golf	Soccer	Track & Field
Boys' Fall	Cross	Football	Soccer	

	Country			
Boys' Winter	Basketball	Hockey	Wrestling	
Boys' Spring	Baseball	Golf	Tennis	Track & Field

CO-CURRICULAR ACTIVITIES/CLUBS

Mauston High School offers a rich array of co-curricular activities and every student is encouraged to select one or more of these programs in which to participate. This list is added to regularly- check with the activities office for updates.

Art Club (VAC)	Swim Club	Equestrian Team	Powerlifting	F.A.C.T.	High Mileage Club	Trap Club
E-Sports	Key Club	Spanish Club	S.C.C. Writers	Educators Rising	Ice Fishing Club	Bowling
Community Musical	Link Crew	Student Council	Yearbook	Science Club	Pep Band	
FFA	Future Business Leaders of America	National Honor Society	Project Lit (Book Club)	Musings Literary Magazine	Visual Arts Classics	

ATHLETIC ACADEMIC ELIGIBILITY

To be eligible for interscholastic athletic participation, a Mauston student must:

1. Receive no more than one failing marking period grade during the most recent grading period.
2. Students participating in early release (completing school after 7 semesters) are ineligible for participation in WIAA sponsored activities following the fall season of their senior year.

To regain eligibility following academic suspension, a student must:

1. Satisfy all academic eligibility requirements prior to reinstatement.
2. Participate in all practices and/or team meetings.
3. Not compete in interscholastic contest for 15 consecutive school days except:
   a. Incomplete grades made up within two weeks, result in immediate eligibility.
   b. Suspensions from summer baseball and fall sports shall be 21 calendar days.
   c. Work completed during summer school will be considered in determination of eligibility for fall sports.

NCAA ELIGIBILITY REQUIREMENTS

Students who wish to compete in college athletics, especially Division I or II should consider the NCAA's eligibility requirements as they plan their H.S. coursework. Students must complete a minimum of 16 approved 'Core' courses. These courses are in English, Math, Science, Social Studies and World Language. Students must complete 10 of these 'Core' classes prior to the start of Senior year. Seven of those must be in English, Math, and Science.
Note: Not all courses are approved by the NCAA- the list of approved courses is at this site https://web3.ncaa.org/hsportal/exec/hsAction Use the link for the most accurate list of approved courses.
The NCAA uses a sliding scale to determine the required grade point average in these 'Core' courses, based on the student's ACT score. A minimum 2.3 core class GPA is used in addition to the sliding scale. Please see the NCAA website for further information on course eligibility at www.eligibilitycenter.org Be sure to see your school counselor for further information if you are considering NCAA athletics in college.

ADVANCED COURSEWORK OPPORTUNITIES

EARLY COLLEGE CREDIT PROGRAM (DUAL ENROLLMENT)

Allows a student in grades 11 through 12 attending a public or private high school in the state to enroll in a UW System institution, or a private, non-profit institution of higher education, to take one or more nonsectarian courses. Eligibility is based on the granting university's GPA requirement and having met any other additional prerequisites. Students may earn high school credit and postsecondary credit if there is not a comparable or current course offered by the district. **IF A COURSE IS REGISTERED AS DUAL ENROLLMENT, THE FINAL GRADE WILL BE POSTED TO BOTH HIGH SCHOOL AND POST-SECONDARY TRANSCRIPT. The deadline to submit an application is March 1st for the fall and October 1st for the spring semester.**

ELIGIBILITY & STUDENT/PARENT RESPONSIBILITIES

To quality for the 2 programs above, a student must:

- Meet grade level requirements for the specific program
- Apply to the postsecondary institution and notify the school by the deadline to enroll- no later than March 1, for a course to be taken in the fall semester; October 1, for a course to be taken in the spring semester
- Notify the school board if the student is registered to attend a postsecondary course

A parent or guardian is responsible for satisfactory student attendance and the student's compliance with the compulsory school attendance law under §118.15 or Chapter 38.

DUAL ENROLLMENT OPTIONS

Such courses are designated in each department section. **Additional college admission requirements may apply**. The practice of receiving dual enrollment credit happens when a student earns both Mauston HS credit and postsecondary credit simultaneously for that particular course. **The grade awarded is based on the college grading system. The grade and credit awarded at the college level becomes a permanent record on the transcript for that college.** When registering for a dual credit options, please check with your post secondary choices for dual credit transfer information: https://www.wisconsin.edu/transfer/
College Course Fee: The State of Wisconsin has not finalized the cost of dual credit courses but in 2021-22 the fee was $110 per credit.

Courses offering dual enrollment options:

- Teacher Academy courses, Western Technical College
- College Transfer Academy courses, Western Technical College
- Pre-Health & Nursing Academy courses, Western Technical College
- Firefighter/EMR Academy courses, Western Technical College
- EMT Academy courses, Western Technical College
- Ag Academy courses, Western Technical College
- Skilled Nursing Assistant, Western Technical College
- Analytic Calc and Geometry I, II, II, Nicolet Technical College
- Differential Equations, Nicolet Technical College
- Intro to Criminal Justice, Northwood Technical College
- Policing Strategies, Northwood Technical College
- Math for Health Professionals, Northwood Technical College
- Environmental Science, UW Oshkosh
- Medical Terminology, UW Oshkosh
- College Writing, UW Oshkosh
- College Reading Strategies, UW Oshkosh
- Accounting I, UW Oshkosh

DUAL CREDIT (CONTINUED)

UNIVERSITY OF WISCONSIN – OSHKOSH COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM (CAPP) – The CAPP program provides students the opportunity to take college level classes in high school as part of the high school schedule. CAPP classes are taught by Mauston High School teachers and will earn high school credit for the successful completion with a passing grade. CAPP classes are graded on the UW Oshkosh grading scale and credit posts to both MHS and university transcripts. Students who wish to earn college credit for the class will register with UW-Oshkosh and pay a reduced credit fee. Students must also have a grade point average (GPA) of 3.25 or higher or an ACT Score of 24 or higher.

Current MHS CAPP courses include:

- College Writing
- Reading Strategies
- Medical Terminology
- Environmental Science I
- Accounting I

For more information regarding this program, please follow this link: http://www.uwosh.edu/capp.

NORTHERN WISCONSIN EDUCATION COMMUNICATIONS SYSTEM (NWECS) - The NWECS distance education consortium has provided over 30 years of equal access to education for rural Wisconsin students in a collective effort to teach and receive needed courses through live video conferencing and online learning. NWECS staff collaborates directly with school districts to identify course offerings, registrations, and technical support. Partners not only share courses with each other between school districts, but are able to access dual enrollment courses through the Wisconsin Technical College Systems and the UW System. For more information, please contact the MHS College & Career Center

WESTERN TECHNICAL COLLEGE ACADEMIES - In partnering with Western Technical College, Mauston High School is able to offer Western Academies. These are opportunities for high school students to take college level courses that pertain to their specific career pathway. These opportunities have limited capacity and will have an application process in order to participate. The academies are offered in a variety of different settings that may include commuting to our local Western Technical College Campus, a different Western campus, virtually, or a combination of these. Current Academy offerings include:

- Teacher Academy, location TBA
- College Transfer Academy, Mauston Western campus
- Healthcare Academy, Mauston Western campus
- Agricultural Business, Tomah Western campus
- Information Technology, TBA
- Firefighter Academy, Onalaska

START COLLEGE NOW

Allows high school students the opportunity to take college courses at Wisconsin Technical Colleges. The process is very similar to Early College Credit. Students must be in good academic standing and also have input from the College and Career Center. Students are further encouraged to look at career specific pathways. Applications are available on the DPI and Wisconsin Technical College System website. Students looking to take courses in the fall semester of the next year must turn in the application by March 1. For spring semester the due date is October 1. **IF A STUDENT IS ENROLLED IN A START COLLEGE NOW COURSE, THE FINAL GRADE WILL BE POSTED TO BOTH HIGH SCHOOL AND TECHNICAL COLLEGE TRANSCRIPT.**

TRANSCRIPTED CREDIT OPTIONS

Transcripted credit courses are technical college courses taught at the high school by a high school teacher. Once a student enrolls in and successfully completes the course with a "C" or higher, the grade will appear on their official high school **AND** technical college transcript. The student will receive credit from both the high school and the technical college. Transcripted Credit is essentially credit that can be used at the awarding institution or any other institution who is willing to allow it as a transfer credit. A student can request for the credit to transfer to a different institution, or utilize it for their program at the awarding institution.

WESTERN TECHNICAL COLLEGE

Students may enroll in courses taught at Mauston High School by MHS teachers that are the same as courses taught at Western Technical College (WTC). Students may receive both high school credit and WTC credit. Classes are graded on the WTC grading scale and there is no additional cost to the student to earn the WTC credit. WTC transcripted credit is open to students in grades 9-12 with grades becoming a part of the WTC transcript upon completion of the course.

Courses offering WTC Transcripted credit (subject to change):

- Applied Welding
- Auto Technology
- Child Development
- Culinary Techniques I
- Personal Finance
- Intro to Vet Science
- Intro to Horticulture
- Microsoft Office Suite
- Pro-Start Professional Cooking
- Sports & Entertainment Marketing

MID-STATE TECHNICAL COLLEGE

Students may enroll in courses taught at Mauston High School by MHS teachers that are the same as courses taught at Mid-State Technical College MSTC). Students may receive both high school credit and MSTC credit. Classes are graded on the MSTC grading scale and there is no additional cost to the student to earn the MSTC credit. MSTC transcripted credit is open to students in grades 9-12 with grades becoming a part of the MSTC transcript upon completion of the course.

Courses offering MSTC Transcripted credit:

- Forestry & Wildlife Ecology - if **BOTH** courses are completed in the same academic year.

ADVANCED PLACEMENT (AP) – Advanced Placement (AP) courses are developed by the College Board based on college level course content, breadth of information, skills and assignments found in similar college courses. The AP classes are taught by Mauston High School teachers trained to deliver the AP course content. The AP exams are administered nationwide each year in May and represent the culmination of the college level work taught in high school. The test fee amount, paid by the student, is determined each year by the College Board. The 2021-22 fee has been set at $96 per exam. Once AP exams have been ordered, a full refund of the exam will not be possible. College Board will charge a minimum of $40 for any late additions and cancellations of the AP Exam after the original order deadline. Students earn high school credit for successful completion of an AP class, in addition to the option to potentially earn college credit based on an AP exam score. Students must check with colleges of interest to determine each college's process for recognition of AP coursework and scores on the AP exam. For more information regarding this program and other classes offered virtually, please follow this link: https://apstudent.collegeboard.org/exploreap

AP GRADES

The AP grading scale is as follows:
5 - Extremely well qualified
4 - Well qualified
3 - Qualified
2 - Possibly qualified
1 - No recommendation

Students can access their grade report in July through their College Board account. MHS does not have access to student score reports. Many colleges and universities accept AP scores of 3 or above. Please consult with each school's website for specific requirements.

AP EXAM TIMELINE

Prior to starting an AP class students can create their College Board account.
September - students receive "join code" from AP Teachers to join the AP class from that teacher
November 1– Final date to pay & register for an AP test without additional fees
May - Administration of AP exams
July - Results of exams available through College Board

MHS AP COURSES	DEPT/SUBJECT	9th GRADE	10TH GRADE	11TH GRADE	12TH GRADE
	Social Studies				
	U.S. History -MHS		X	X	X
	Psychology - MHS			X	X
	Government & Politics- MHS			X	X
	Human Geography (Virtual or MHS)	X	X	X	X
	European History (Virtual)			X	X
	Microeconomics (Virtual)			X	X
	Macroeconomics (Virtual)			X	X
	English				
	English Literature (Virtual)			X	X
	English Lang/Comp (Virtual)			X	X
	Math				
	Statistics - MHS			X	X
	Calculus A/B or B/C (Virtual)			X	X
	Science				
	Biology - MHS			X	X
	Chemistry (Virtual)			X	X
	Physics 1 (Virtual)			X	X
	Computer Science				
	Computer Science Principles - MHS		X	X	X
	Computer Science A and B - (Virtual)			X	X

For additional information, speak with your school counselor.

CHILDREN WITH A DISABILITY

Students with a disability are encouraged to participate in the advanced coursework opportunities. The school board may, however, refuse to permit a student with a disability to attend a technical college if the cost would impose an undue financial burden on the school district.

PAYMENT OF TUITION & FEES

The school board must pay for:

- Any course taken for high school and college credit that is not comparable to a course offered by the school
- Tuition, fees and books

The student must pay for:

- Postsecondary courses taken at the university that are not for both high school and college credit
- Courses taken at any post-secondary institution that are comparable to a course offered at the school district
- Reimbursement for a course that is dropped or failed
- Transportation costs
- Incidental college fees (i.e. parking permits), the cost of consumables (workbooks, notebooks, uniforms), equipment and supplies

As of the date of the printing of this guidebook, the state government continues to make changes to the laws/statutes concerning these programs. Changes may be made to the information provided here.

PART TIME OPEN ENROLLMENT

Allows Wisconsin public high school pupils to apply and attend one or two courses in nonresident school districts, while remaining enrolled in their district of attendance for the majority of their classes. Parents of students who wish to participate in this program should visit the DPI website for more information: http://dpi.wi.gov/oe Applications are required 6 weeks in advance of the start of the class.

COLLEGE & CAREER EXPLORATION

Mauston High School offers guidance and course opportunities to develop awareness and skills for future careers. As students plan their high school program and participate in course offerings each year they will begin to develop ideas of their strengths, interests, and capabilities related to their future plans and create a plan. An Academic and Career Plan (ACP) includes a program of study that reflects a student's unique set of interests, needs, goals, and graduation requirements. It goes beyond the traditional "four-year plan" by recording the student's connections to the larger community including examples of service and volunteerism; involvement in mentorships and/or apprenticeships; and the pursuit of skill development through hobbies, athletics, and fine arts. Teachers and school counselors organize field trips, guest speakers, classroom presentations, informational materials and a variety of assessments to assist with career and educational planning. Career exploration occurs throughout high school as students take a variety of classes and make the connection between what they are learning and future options.

School counselors meet with all four grade levels to discuss the student Academic Career Plan (ACP) as it relates to high school transition, current goals, future plans, and course sequencing. Seniors and Juniors have individual ACP conferences scheduled with school counselors in the Fall semester. Sophomores and Freshmen have individual ACP conferences scheduled with school counselors in the Spring semester. Annually, school counselors offer large group planning presentations and workshops to Juniors and Seniors and their parents. The goal is to provide group and personal guidance to help all students with their planning. Students meet regularly to discuss various topics to develop and update their academic career plan.

Throughout the Academic and Career Planning Process, students are encouraged to reflect on four main questions as they develop their Academic and Career Plan.

Gr 9 KNOW: Who am I

- What interests me?
- What are my strongest skills?
- What are my dispositions?
- What skills would I like to develop before I graduate?
- How do I learn best?

Gr 10 EXPLORE: What do I want to do?

- What courses interest me most?
- Are there career focused courses that interest me?
- What type of degree or certificate do I need to support my post- secondary goals?
- What jobs or careers would I like to shadow and when do I do that?
- What schools offer a related degree/majors to what I am interested in?
- What are the typical credits I need to earn in each subject for college admissions?
- What will I need to provide a competitive admissions application for schools/majors I might be interested in?

For example:

- What level of math must I complete?
- Which specific science courses are required?
- Do I have to take a world language?
- Do I have to take fine arts classes?
- What ACT scores are required for admission?

Gr 11 PLAN: How do I want to get there?

- How much will post high school education cost and how will I pay for it?
- Will I qualify for Financial Aid and Scholarships?
- Will I have any savings from employment during high school?
- Which co-curricular activities will support my interests after high school?
- What skills and work based experiences will help me develop desired skills?
- What credentials should I explore?
- Who are the adults in my life that could act as a mentor as I continue to explore opportunities for my future?

Gr 12 GO: Do I need to review, adapt or modify plans?

Students are in the driver's seat of their Academic and Career planning process. Students should reflect often on their choices and update their plans as often as possible (yearly).

- Review, adapt and modify course selections
- Review adapt or modify personal goals
- Conference with school counselors, parents and teacher

PATHWAYS TO COLLEGE & CAREER READINESS

CareerClusters®

CAREER CLUSTERS

Career Cluster Framework

Career Clusters are broad occupational groupings based on a set of common knowledge and skills required for a broad group of careers. Wisconsin has adopted the 16 Career Clusters that also serves as a tool for organizing curriculum and instruction. Career clusters provide opportunities for all students regardless of their career goals and interests. They are a tool for a seamless educational system that blends rigorous academic/technical preparation, provides career development, offers options for students to experience all aspects of a business or industry, and facilitates/assists students and educators with ongoing transitions. Career Pathways are a sub-grouping of careers used as an organizing tool for curriculum design and instruction. Similar to career clusters, career pathways are grouped based on their requirements for a set of core and similar knowledge and skills for career success. Each pathway highlights a specific part of each cluster. Students can use XELLO Career Planning Program to research cluster, pathways and the careers within. See below for a list of clusters and pathways.

Career Clusters and Their Pathways

Agriculture, Food and Natural Resources
- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural and Technical Systems

Architecture and Construction
- Construction
- Design/Pre-Construction
- Maintenance/Operations

Arts, Audio/Video Technology and Communications
- Audio and Video Technology and Film
- Journalism and Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications Visual Arts

Business Management and Administration
- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

Education and Training
- Administration and Administrative Support
- Professional Support Services
- Teaching/Training

Finance
- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities and Investments

Government and Public Administration
- Foreign Service
- Governance
- National Security
- Planning
- Public Management and Administration
- Regulation
- Revenue and Taxation

Health Science
- Biotechnology Research and Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

Hospitality and Tourism
- Lodging
- Recreation, Amusements and Attractions
- Restaurants and Food/Beverage Services
- Travel and Tourism

Human Services
- Consumer Services
- Counseling and Mental Health Services
- Early Childhood Development and Services
- Family and Community Services
- Personal Care Services

Information Technology
- Information Support and Services
- Network Systems
- Programming and Software Development
- Web and Digital Communications

Law, Public Safety, Corrections and Security
- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services

Manufacturing
- Health, Safety and Environmental Assurance
- Logistics and Inventory Control
- Maintenance, Installation and Repair
- Manufacturing Production Process Development
- Production
- Quality Assurance

Marketing
- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

Science, Technology, Engineering and Math
- Engineering and Technology
- Science and Math

Transportation, Distribution and Logistics
- Facility and Mobile Equipment Maintenance
- Health, Safety and Environmental Management
- Logistics Planning and Management Services
- Sales and Service
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management, and Regulation
- Warehousing and Distribution Center Operations

PREPARING FOR COLLEGE

When applying to college, admissions committees use a holistic approach, taking many factors into consideration. These include extracurricular involvement, volunteer experiences, leadership experiences, and past work history. Some of the more important factors considered are GPA/Laude, ACT/SAT score, course rigor. Students are encouraged to use the essay to highlight any hardships, challenges, learning experiences, leadership opportunities, strengths & weaknesses.

The University of Wisconsin System institutions require a minimum of 17 high school credits distributed as follows:

I. Core College Preparatory Credits 13 credits

"College prep" courses are particularly appropriate for providing students with the academic background they need to succeed in a degree program at a college or university. College preparatory programs should help students develop competence in four primary areas; English, mathematics, social studies and natural science. College preparatory courses are characterized by the academic challenge they present, requiring time and intellectual effort extending beyond the classroom.

English (including 3 credits of literature and composition)	4
Math (at least 1 credit each of algebra, geometry, & advanced math)	3
Social Studies/History	3
Natural Science	3

II. Elective Credits 4 credits

Chosen from the above core college preparatory areas, foreign language, fine arts, computer science and other academic areas.* Some UW System institutions may also accept vocational courses for a portion of these 4 elective credits.

TOTAL 17 credits

*A minimum of 2 credits in a single foreign language is required for admission to UW-Madison and the University of Minnesota-Twin Cities.

* Additionally, the University of Minnesota-Twin Cities has a 1.0 fine arts requirement.

College admission requirements remain rigorous. Meeting the minimum course work requirements is not, at many campuses, a guarantee of admission. High school students should keep in mind that ***the degree to which their record exceeds the minimum standards may make the difference between acceptance and non-acceptance.***

UW-Madison, in particular, chooses students who display both breadth and depth of academic preparation. The chart below shows the contrast between the minimum academic background required and the academic preparation of the typical freshman at UW-Madison.

Minimum for Application		Typical for Admission at UW-Madison	
English	4 units	English	4+ units
Algebra	1 unit	Algebra	1 unit
Geometry	1 unit	Geometry	1 unit
Advanced Math	1 unit	Advanced Math	2+ units
Social Studies	3 units	Social Studies	4+ units
Science	3 units	Science	4 units
Single Foreign Lang	2 units	Single Foreign Lang	4 units
Add'l Acad/Fine Arts	2 units	Add'l Acad/Fine Arts	2+ units
Total 17 units		***Total 22+ units***	

The message is that students with the strongest qualifications, including number of courses taken, rigor of academic program (honors and Advanced Placement courses) and test scores will have the greatest chances of admission. More than 2/3 of entering freshmen submit AP scores for credit.

Profile of Admitted Students at UW Madison:

Criteria	Middle 50%
GPA (Unweighted core academic)	3.8-4.0
Class Rank	83rd—96th percentile
ACT Composite	27-31

APPLYING FOR COLLEGE

The University of Wisconsin System traditionally starts accepting applications from seniors on August 1. As a general rule, your complete application AND materials should be sent prior to Thanksgiving break. This includes your official transcripts/ACT scores. Students should plan to send your applications electronically.

SENDING TRANSCRIPTS

Part of the college application process includes submitting high school transcripts. MHS uses Parchment to send transcripts. Information is provided to juniors and seniors about how to use Parchment to send transcripts.

More information is available on our College & Career Center website. Or see your school counselor. Remember to complete your college applications *before* sending your transcript. If you prefer a paper transcript, the College and Career Center Registrar will mail an official transcript at no cost.

WORLD LANGUAGE RETROACTIVE CREDITS

Many colleges grant credit for high school world language as long as additional language coursework is successfully completed at the college level. Students should check with their prospective college for specific information.

PREPARING FOR TECHNICAL EDUCATION

Preparing for your future is serious business which deserves the best you can give. Whether you plan to seek a job right after high school or go on for further vocational and technical education training, doing well in high school will increase your chances for success.

Vocational and technical education programs offered through the state's outstanding Wisconsin Technical College System (WTCS) provide a broad range of opportunities for future employment and advancement in your selected occupation. You can get a head start in high school on your future career by taking not only the required classes for graduation, but also vocational education courses that meet your specific career goals.

By getting the most out of your high school years, you will be well prepared in what employers consider essential for successful employment: reading, writing, speaking, and listening; problem solving skills; mathematics; science; social studies including economics; and computer literacy. You should also develop good study habits, positive work attitudes, employment skills, and an ability to get along with people.

WHAT SHOULD YOU TAKE IN HIGH SCHOOL

Whether you choose to attend a state Wisconsin Technical College System (WCTC) school or seek employment immediately upon graduation, you will have greater flexibility in both selecting and pursuing a career after you have completed the standard PHS graduation requirements.

Subject	**Years required**
English	4
Math	3
Science	3
Social Studies	3
Vocational Education	3-4

SCHOOL-TO-CAREER TRANSITION

YOUTH APPRENTICESHIP PROGRAM

Youth apprenticeship is a one or two year program that combines academic and technical classroom instruction with mentored on the job learning for high school students. Students interested in the Youth Apprenticeship Program should contact the College and Career Center for assistance.

GRADUATION REQUIREMENTS

Subject	**Mauston HS Requirements** ✓ 28 Total Credits ✓ Successful completion of the following subject and credit requirements
English	**4 Credits Including:** ☐ English 9 (1.0) ☐ English 10 (1.0) ☐ English 11 or AP English Literature (1.0) ☐ Two English Electives (1.0 credits)
Math	**3 Credits:** ☐ _____ (1.0) ☐ _____ (1.0) ☐ _____ (1.0)
Science	**3 Credits including:** ☐ Physical Science (1.0) ☐ Biology I (.5) & Biology II (.5) ☐ Minimum 1 credit of next level Science offerings (1.0)
Social Studies	**3 Credits including:** ☐ Social Science 9 (1.0) ☐ Modern U.S. History 10 (1.0) ☐ Civics 11 (1.0) ☐ Students must also pass the Wisconsin State Civics Exam.
PhyEd	**1.5 Credits including:** ☐ PE 9 (.5) ☐ PE 10-12 (.5) ☐ Strength/Conditioning or Adventure Class (.5)
Health	☐ **.5 Credit**
Personal Finance	☐ **.5 Credit**
Electives	12.5 Credits from any course that is not taken to meet one of the above ☐
Total Credits	**28 Credits**

MHS 4-Year Planning Worksheet

Minimum Graduation Requirements	9th	10th	11th	12th
English 4 Credits	English 9	English 10	English 11	
Math 3 Credits				
Social Studies 3 Credits	Social Science 9	Modern History 10	Civics 11 (Must Pass state Civics Exam)	
Science 3 Credits	Physical Science	Biology I & Biology II		
P.E. 1.5 Credits	Phyed 9			
Health .5 Credits	Health/Wellness			
Personal Finance .5 Credits (Gr. 11 or 12)				
Electives- 12.5 Credits				

***4 credits in math and science are strongly recommended for most students, especially those who plan to attend a 4-year college after high school. A minimum of two years in World Language is encouraged for students planning on attending a 4-year college.

ART

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Fees
611	Art I	All	None	.5	
605	Ceramics I	All	None	.5	
608	Ceramics II	10, 11, 12	Ceramics I with an “A” or “B”	.5	
607	Ceramics III	11, 12	Ceramics II with an “A” or “B”	.5	
610	Art II	10, 11,12	Art I with an “A” or “B” or instructor approval	.5	
619	Drawing I	All	None	.5	
614a 614b	Drawing II Drawing III	10, 11, 12	Drawing I with an “A” or “B” Drawing II with an “A” or “B”	.5	
620	Painting I	All	None	.5	
618	Painting II	10, 11, 12	Painting I with an “A” or “B”	.5	
622	Painting III	11, 12	Painting II with an “A” or “B”	.5	
621	Printmaking I	9-12	None	.5	
623	Printmaking II	10, 11, 12	Printmaking I with an “A” or “B”	.5	
629	Sculpture & 3D Design	10, 11, 12	None	.5	
623	Graphic Design & Illustration I	10, 11, 12	None	.5	
624a 624b	Graphic Design & Illustration II Graphic Design & Illustration III	11, 12	Graphic Design & Illustration I, II with an “A” or “B”	.5	
609	Fashion Design I	All	None	.5	
613	Fashion Design II	10, 11, 12	Fashion Design I with an “A” or “B”	.5	
635	Photography I Photography II	10, 11, 12	None for Photography I, with an “A” or “B” Photography I for II	.5	$20
635a 635b	Digital Photography I Digital Photography II	10, 11, 12	Photography with an “A” or “B” Digital Photography I with A or B	.5	$20
615 6616 6617	Yearbook Production Yearbook Production II Yearbook Production III	10, 11, 12 Class size: 12	Instructor Approval	Year Long - 1.0	

Art I (#611) .5 credits **Open to: 9-12**

This is a broad survey Studio Art course which serves as an introduction to concepts, skills, methods, and techniques in working with two- and three-dimensional media. Students will be required to produce a variety of finished pieces of art. An emphasis will be placed on creative problem solving, elements of art and principles of design, and technical skill development, as well as history and cultural origins of media and styles, contemporary artists, career applications, developing artist's statements, and the art of critique.

Ceramics I (#605) .5 credits **Open to: 9-12**

In this introductory ceramics course, students will be exposed to both basic hand-building procedures and wheel-thrown techniques. Students will explore the five main ceramic forming techniques: pinch/pull, coiling, slab building, molding, and the pottery wheel to create a variety of sculptural and utilitarian ceramic objects. All projects will include exposure to various tools, techniques, and vocabulary and concepts of ceramic science. Students will also engage in fundamental glazing and firing techniques.

Ceramics II (#608) .5 credits **Open to: 10-12**

SUCCESSFUL COMPLETION OF CERAMICS I WITH AN "A" OR "B"

This ceramics course is designed for development of college portfolios and career preparedness, where students will build upon the basic hand-building and wheel-throwing techniques learned in Ceramics 1. Students will continue to explore the five main ceramic forming techniques to create a variety of sculptural and utilitarian ceramic objects while fostering personal expression and the development of a unique artistic style. For handbuilding projects, students will be given a prompt, and will then have the artistic freedom to choose the techniques best suited to achieve their vision. Wheel projects will be scaffolded to meet student wheel experience. All projects will include exposure to various tools, techniques, and vocabulary. An expanded investigation of ceramics will include historical, cultural, and career elements while examining contemporary trends and artists. Students will also engage in fundamental glazing and firing techniques.

Ceramics III (#607) .5 credits **Open to: 10-12**

SUCCESSFUL COMPLETION OF CERAMICS II WITH AN "A" OR "B"

This course is designed for college portfolios and career preparedness, and will build on the experiences and techniques introduced in Ceramics & Sculpture II. Students will have the opportunity to focus on either wheel-thrown or hand-built ceramics and will be encouraged to develop a personal style with their work. More extensive investigations into advanced ceramic forming techniques, firing processes, and glaze chemistry will be covered. Students enrolling in this course should have a strong and consistent work ethic and a willingness to complete assignments that demonstrate growth in the ability to conceptualize, problem solve, and appropriately apply glaze and surface decoration to enhance and embellish their forms. Students will also be required to assist with basic studio maintenance including: clay recycling and mixing, glaze formulation, kiln loading and unloading.

Art II (#610) .5 credits **Open to: 10-12**

Must have completed Art I with a grade of "A" or "B" or instructor approval.

Art II serves as a multimedia Studio Art course in a broad survey format, in which students will build upon concepts, skills, methods, and techniques in working with two- and three-dimensional media which were introduced in Art I as a foundational course. Students will be required to produce a variety of finished pieces of art in each media area, with an emphasis placed on creative problem solving, elements of art and principles of design, and technical skill development at a more advanced level. History and cultural origins of media and styles, contemporary artists, career applications, developing artist's statements, and the art of critique will be addressed and integrated into each media unit.

Drawing I (#619) .5 credits Open to: 9-12

This introductory drawing course is designed to further develop student skills and creative thought processes through an in-depth study of various mediums and techniques. Students will create a wide variety of drawings using various mediums and learn fundamentals like shading, still-life, portraiture, human anatomy, contour, shading, two-point perspective, grid and life drawing. Student experiences will include exploration of Elements of Art and Principles of Design, history and cultural applications, contemporary artists, career applications, and the art of critique.

Drawing II (#614a) .5 credits Open to: 10-12

COMPLETION OF DRAWING I WITH AN "A" OR "B"

This course is designed for development of college portfolios and career preparedness, building on skills and concepts learned in Drawing I.This course allows students to refine and expand skills learned in Drawing I while offering new experiences and challenges. Opportunities will be given for students to sharpen their drawing skills and creativity while generating original images. Experiences will include study of Elements of Art and Principles of Design, history, cultural applications, contemporary artists, careers, the art of critique, and art appreciation.

Drawing III (#614b) .5 credits Open to: 10-12

COMPLETION OF DRAWING II WITH AN "A" OR "B"

This course is designed for development of college portfolios and career preparedness, allowing students to refine and expand skills developed in Drawing II, further developing skills through a more in-depth study of various media and techniques of choice by individual artists. This class is for the advanced art student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth study of various media and techniques of choice. Students will expand their study of Elements of Art and Principles of Design, cultural history, career applications, contemporary artists, critique processes, and developing portfolio artist statements.

Painting I (#620) .5 credits Open to: 9-12

Students in this course will focus on advanced 2D techniques exploring different approaches to painting techniques using a variety of media, with an emphasis on composition and Principles of Design, and the science and application of Color Theory. Acrylic and oil paint, charcoal, conte, specialized drawing pens, and pastels are just a few of the media offered. Students are encouraged to think creatively and develop their own personal style.

Painting II (#618) .5 credits Open to: 10-12

SUCCESSFUL COMPLETION OF PAINTING I WITH A GRADE OF "A" OR "B".

Painting 2 is a course designed for development of college portfolios and career preparedness, continuing and further developing skills and techniques learned in Painting 1. Students are given more personal responsibility for the creation of their artwork with an emphasis on building conceptual and technical skills.

Painting III (#622) .5 credits Open to: 11-12

SUCCESSFUL COMPLETION OF PAINTING II WITH A GRADE OF "A" OR "B".

Painting III is a course designed for development of college portfolios and career preparedness, continuing and further developing skills and techniques learned in Painting II. This class is for the advanced art student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth study of color theory, various media and techniques of choice, critique processes, and development of artist statements.

Printmaking I (#621) .5 credits Open to: 9-12

Students in this course will focus on multiple techniques exploring different forms of printmaking using a variety of media, with an emphasis on composition and Principles of Design, the science and application of Color Theory, historical and modern printing applications, and current industrial connections. Block printing, Serigraphy and silk-screen printing, Intagio, and Found- and Improvised-Object Printing are just a few of the media offered. Students are encouraged to think creatively and develop their own personal style, as well as further develop skills in critique processes and development of artist statements.

Printmaking II (#623) .5 credits Open to: 10-12

SUCCESSFUL COMPLETION OF PRINTMAKING I WITH A GRADE OF "A" OR "B".

Printmaking II is a course designed for development of college portfolios and career preparedness, continuing and further developing skills and techniques learned in Painting and Printmaking 1. Students are given more personal responsibility for the creation of their artwork with an emphasis on building conceptual and technical skills.

Sculpture & 3D Design (#629) .5 credits Open to: 10-12

This course is a broad survey of three-dimensional media, designed for college portfolios, college, and/or career preparedness. Students will be introduced to methods and techniques for creating sculptural artwork in various media, including clay, mosaic, paper mache, wood, wire, foam, paris craft, as well as found-object, mixed media, and kinetic sculpture. Students will also have the opportunity to work with digital software to create 3D images able to be printed in 3D in the Fablab. An emphasis will be placed on creative problem solving, compositional design principles, career applications, and technical craftsmanship.

Graphic Design & Illustration I (#623) .5 credits Open to: 10-12

This visual art class explores ideas used by commercial artists and graphic designers with emphasis on Branding and Typography, Logo and Wordmark design, and the Designed Environment. Expect to "bridge the gap" between traditional media and computerized digital formats. Units of study include advertising design, calligraphy, lettering, and typography, as well as investigations into the design of theme park, playground, and retail store spaces. Traditional commercial art concepts will be used, along with digital solutions that involve computer design programs like Adobe Photoshop and Illustrator. Experiences will include study of elements of art and principles of design, history, cultural applications, contemporary artists, career preparedness, the art of critique, and development of college portfolios.

Graphic Design & Illustration II (#624a) .5 credits Open to: 11-12

Must have completed Graphic Design & Illustration I with a grade of "A" or "B"

This visual art class is designed for development of college portfolios and career preparedness, allowing students to refine and expand knowledge and skills developed in Graphic Design & Illustration I, further developing skills through a more in-depth study of specific design choices employed by individual artists and design teams. This class is for the student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth learning, and expand their study of Design in our world, links between cultural history and contemporary trends, specific career applications, and critique processes. Viewing videos, text reading, and some writing will be required. A final project presentation will be designed for public display and presentation.

Graphic Design & Illustration III (#624b) .5 credits Open to: 11-12

Must have completed Graphic Design & Illustration II with a grade of "A" or "B"

Graphic Design & Illustration III focuses more specifically on the development of college portfolios and career preparedness, allowing students to further refine knowledge and skills developed in Graphic Design & Illustration I and II, focusing skill development through in-depth study of specific media, design applications, and context-driven assignments. This class is for the student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth learning, and expand their study of design as it is applied our world, with a focus on links between cultural history and contemporary trends, specific career applications, and critique processes. Viewing videos, text reading, and some writing will be required as outside work. A final project presentation will be designed for public display and presentation, or installation.

Fashion Design I (#609) .5 credits Open to: 9-12

Fashion Design students will explore the world of fashion design, garment construction, proportions of figure drawing, and learn about cultural and historical significance of messaging through fashion design and costuming. Projects will include sewing, clothing modification, printmaking, upcycling, and accessory creation. Students will be expected to develop their technical skills in hand and machine sewing, embellishment, and will explore graphic art and design in marketing and production. Skills and techniques learned in this class will be helpful for those interested in building their skill levels and portfolios for pursuing career or college options.

Fashion Design II (#613) .5 credits Open to: 10-12
SUCCESSFUL COMPLETION OF FASHION DESIGN I WITH AN "A" OR "B"

This course is designed for development of college portfolios and career preparedness, allowing students to refine and expand skills developed in Fashion Design I, further developing skills through a more in-depth study of various materials and techniques of choice by individual artists and designers. This class is for the student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth learning, and expand their study of Elements of Art and Principles of Design, links between cultural history and contemporary trends, career applications, and critique processes.

Photography (#635) .5 credits Open to: 10-12

This course will introduce students to all basic aspects of traditional black and white photography beginning with the history of photography, and will focus on basic artistic composition and image construction. They will be instructed on adjustable camera use, such as how to set the camera's focus, shutter speed, f/stop, and ASA adjustments. Topics of portrait lighting, posing a model, stop/blur action, depth of field, and special effects will be explored, as well as career connections and portfolio development. Students will develop black and white film and work with a photographic enlarger to develop, print, and mount photographs for presentation. Access to either an automatic or adjustable film camera (not a digital camera) is preferred but not required. There will be some exposure to digital and Photoshop.

A $20 fee is required for this course to cover costs associated with digital photography which include printing on high quality paper, vinyl, or canvas through a professional venue. This course is designed for college portfolios and career preparedness.

Digital Photography I (#635a) .5 credits Open to: 10-12
Must have completed Photography with a grade of "A" or "B"

This course is designed for development of college portfolios and career preparedness, allowing students to refine and expand skills developed in Digital Photography I. Students will learn digital imaging techniques and use Photoshop to edit and enhance photos to create both black and white and color artwork. Students will also learn how to creatively compose photographs with a variety of subject matter, study the elements of composition, the use of light, narrative portraiture, and surrealism to create personally meaningful artwork. Access to a cell phone or digital camera and Google Drive and Google Classroom for photo storage is required.

A $20 fee is required for this course to cover costs associated with digital photography which include printing on high quality paper, vinyl, or canvas through a professional venue. This course is designed for college portfolios and career preparedness.

Digital Photography II (#635b) .5 credits Open to: 10-12
Must have completed Digital Photography I with a grade of "A" or "B"

This course builds on knowledge and skills learned in Digital Photography I, further developing skills through a more in-depth study of subjects and themes chosen by individual photographer artists and journalists. This class is for the student who is self motivated and has the potential to be productive working to further develop skills through a more in-depth learning, and expand their study of principles of design, communication, contemporary trends in marketing imagery, career applications, and critique processes. Access to a cell phone or digital camera and Google Drive and Google Classroom for photo storage is required.

A $20 fee is required for this course to cover costs associated with digital photography which include printing on high quality paper, vinyl, or canvas through a professional venue. This course is designed for college portfolios and career preparedness.

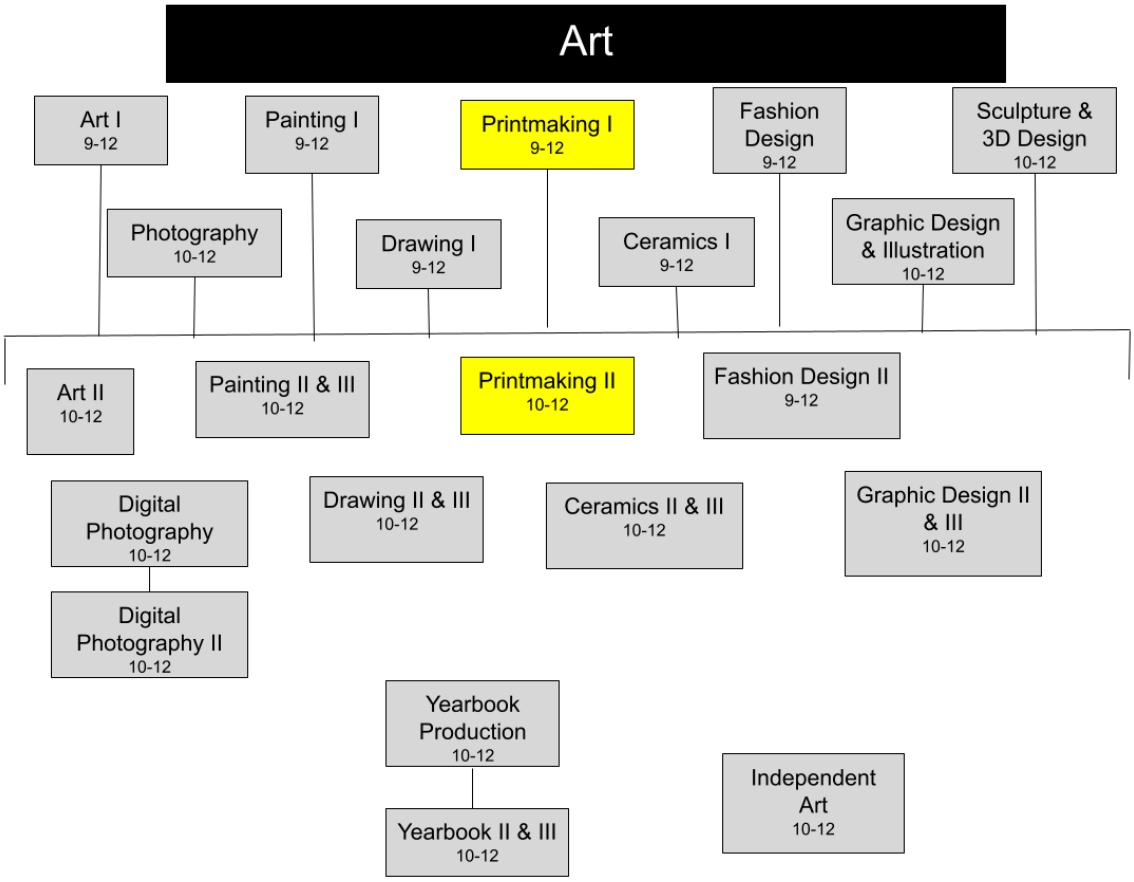
Yearbook Production (#615) 1 credit - year long course Open to: 10-12 Laude
INSTRUCTOR APPROVAL REQUIRED LIMITED ENROLLMENT – 12
Yearbook Production - must have 2 semesters for 1.0 Laude point

Yearbook Production is a one-credit year-long course driven by student collaboration with rigorous work to learn design programs, attend school events, and meet deadlines throughout the year. An understanding of strict deadlines versus due dates is crucial, and students will be expected to contribute time and effort outside of class during the school day and after school to complete work and to meet deadlines. The techniques and skills acquired in this class are applicable to those anticipating a career in Art, Journalism, Graphic and Commercial Arts, Photography, Marketing, Organizational Management, Communications, and Entrepreneurship. This course is designed for college portfolios and career preparedness and can be repeated for credit.

Our goal is to create an exciting yearbook the student body is proud to have. Students learn to design and write for a 100-page hardcover publication, plus a Spring supplement, using web-based graphic layout software. Graphic design is at the heart of this class as we talk about color theory, photojournalism, page layout and design concepts. In addition, students learn about marketing and advertising principles to understand how our work matters to others. This course is great for those students who are self motivated and are comfortable within a team environment. Each student will be influential in decision-making about the creation and design of the yearbook. 9th and 10th grade students interested in taking Yearbook should consider Photography I and/or Digital Photography to establish essential skills.

Yearbook Production II (#616) 1 credit - year long course Open to: 11-12 Laude
INSTRUCTOR APPROVAL REQUIRED LIMITED ENROLLMENT – 12
Yearbook Production - must have 2 semesters for 1.0 Laude point

Yearbook Production III (#617) 1 credit - year long course Open to: 12 Laude
INSTRUCTOR APPROVAL REQUIRED LIMITED ENROLLMENT – 12
Yearbook Production - must have 2 semesters for 1.0 Laude point


Art
Art I
9-12
Painting I
9-12
Printmaking I
9-12
Fashion Design
9-12
Sculpture & 3D Design
10-12
Photography
10-12
Drawing I
9-12
Ceramics I
9-12
Graphic Design & Illustration
10-12
Art II
10-12
Painting II & III
10-12
Printmaking II
10-12
Fashion Design II
9-12
Digital Photography
10-12
Drawing II & III
10-12
Ceramics II & III
10-12
Graphic Design II & III
10-12
Digital Photography II
10-12
Yearbook Production
10-12
Yearbook II & III
10-12
Independent Art
10-12

CAREER & TECH ED:

AGRICULTURE

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit
830	Intro to Agriculture Science	9-12	None	.5	
835	Small Animal Care (Alternates years)	9-12	None	.5	
810	Veterinary Science	10-12	None	.5 Science Laude	WTC Transcripted
815	Advanced Veterinary Science	11-12	Veterinary Science	.5 Science	
836	Meat Technology & Processing	10-12	None Class size: 12	.5	
831	Great Outdoors of Forestry	9-12	None	.5 Science Laude if take 832 in same school year	Mid-State If take 832 in same school year
832	Wisconsin Wildlife Ecology	9-12	None	.5 Science Laude if take 831 in same school year	Mid-State If take 831 in same school year
805	Aquaponics (Alternates years)	9-12	None	.5 Science	
841	Horticulture	9-12	None Class size: 15	.5 Laude	WTC Transcripted
848	Supervised Work Experience - Agriculture	12	Instructor Permission Required	.5 per term	

Introduction to Agriculture Science (#830) .5 credits **Grades 9-12**

Introduction to Agriculture Science is a great way to explore all of the agriculture industry and start exploring agriculture education at Mauston High School. Students will explore animals, plants, natural resources, food processing, power and structure systems, agriculture business, and biotechnology. Each pathway will be explored by the students designing and conducting different experiments each week. The class will wrap up with students designing their own agriscience experiment and presenting the results to classmates.

Small Animal Care (#835) .5 credits **Grades 9-12**

With the increasing number of students with pets, this course will help students take care of their pet(s) they currently own or may own in the future. In addition to class discussion, each student will have a chance to learn daily care of their animal from other classmates, guest speakers, and field trips to areas of interest. The nutrition, reproduction, anatomy, and care of animals such as cats, dogs, rabbits, poultry, specialty animals, and exotics will be discussed. *This course will be offered on an alternate year basis. It is planned for the 25-26 school year.*

Veterinary Science (#810) .5 credits Grades 10-12 Laude

TRANSCRIPTED WITH WTC

This course will give students a chance to study and work with animals that may affect them each day. Animal units include dairy cattle, beef, hogs, horses, sheep, and poultry. We will discuss management practices for these animals, go over anatomy of the animals, and explore veterinary practices. Students will be able to understand practices such as milking procedures, health, reproduction, facilities, nutrition, and the proper handling of each animal. This course does count as a Science credit.

Advanced Veterinary Science (#815) .5 credits Grades 11-12

Advanced Veterinary Science will expand on all areas introduced in Veterinary Science. Students will explore the anatomy and physiology of the digestive system, reproductive, circulatory, and other systems in different animals. Dissections will be included in the discussion of the different animal systems. Students will also cover genetics and new technologies in the animal science industry. Field trips will be taken to area farms and agribusinesses. This course does count as a Science credit.

Meat Technology & Processing (#836) .5 credits Grades 10-12

ENROLLMENT LIMIT – 12

In Meat Tech, students will learn where all cuts of meat come from including: beef, pork, venison, lamb, and poultry. Students will experience processing meat into different steaks, roasts, burger, and specialty cuts. If there is time, students might also be able to experience how to create sausage and jerky. Students will explore food safety practices and how to properly package meat. There will be an opportunity for students to see and assist with the butchering of a beef. A majority of this class will be spent in the lab processing meat.

Great Outdoors of Forestry (#831) .5 credits Grades 9-12

TRANSCRIPTED WITH MSTC

All phases of forestry will be covered throughout the term. Skills practiced include proper woodlot management, tree identification, determining a forest inventory, pruning, planting and harvesting trees, chainsaw safety, forest tree products and forest fire suppression. Work will be done at the school forest which includes pruning and selective cutting along with many different guest speakers will visit the classroom. This course does count as a Science credit.

Students successfully completing this course AND Wildlife Ecology within the same school year will be eligible for Laude and Transcripted Credit awarded by Mid-State Technical College.

Wisconsin Wildlife Ecology (#832) .5 credits Grades 9-12

TRANSCRIPTED WITH MSTC

Students will be able to evaluate both common land and water wildlife species as to their habitat and food requirements. Wildlife practices include improvements needed of land, rivers, and lakes to help make wildlife thrive in the Mauston area. Water quality and plant species will be included in contrast to wildlife requirements. Personnel will be used from the DNR and wildlife departments. Students will have a chance to do wildlife improvement projects. The class will also contain a taxidermy unit. It is the perfect class to expand your knowledge about everything outdoors! This course does count as a Science credit.

Students successfully completing this course AND Wildlife Ecology within the same school year will be eligible for Laude and Transcripted Credit awarded by Mid-State Technical College.

Aquaponics (#805) .5 credits Grades 9-12

In Aquaponics students will learn about the growing aquaponics industry, how to run a system, how to get involved in the industry. Aquaponics is raising fish and growing plants in one system in a sustainable way. Students will spend time working with the plants and fish to learn to run the system, perform daily tests and management tasks. Areas covered in the class will be fish biology, growing plants in non-conventional ways, and the science behind the system. This course does count as a Science credit. *This course will be offered on an alternate year basis. It is NOT planned for the 25-26 school year.*

Horticulture (#841) .5 credits Grades 9-12 Laude

Western Technical College *TRANSCRIPTED WITH WTC*

ENROLLMENT LIMIT – 15

Students will be exposed to practices used in the plant science industry. A wide variety of plants and vegetables will be grown, along with demonstrating such practices as transplanting, pH testing, propagation methods, plant selection, and pest management. The science of Floriculture will also be discussed. Students will partake in making corsages and developing floral arrangements. Students will explore the area of hydroponics (growing plants without soil). The class will be divided between the classroom and greenhouse.

Supervised Work Experience - Agriculture (#848) .5 credits per term Grade 12

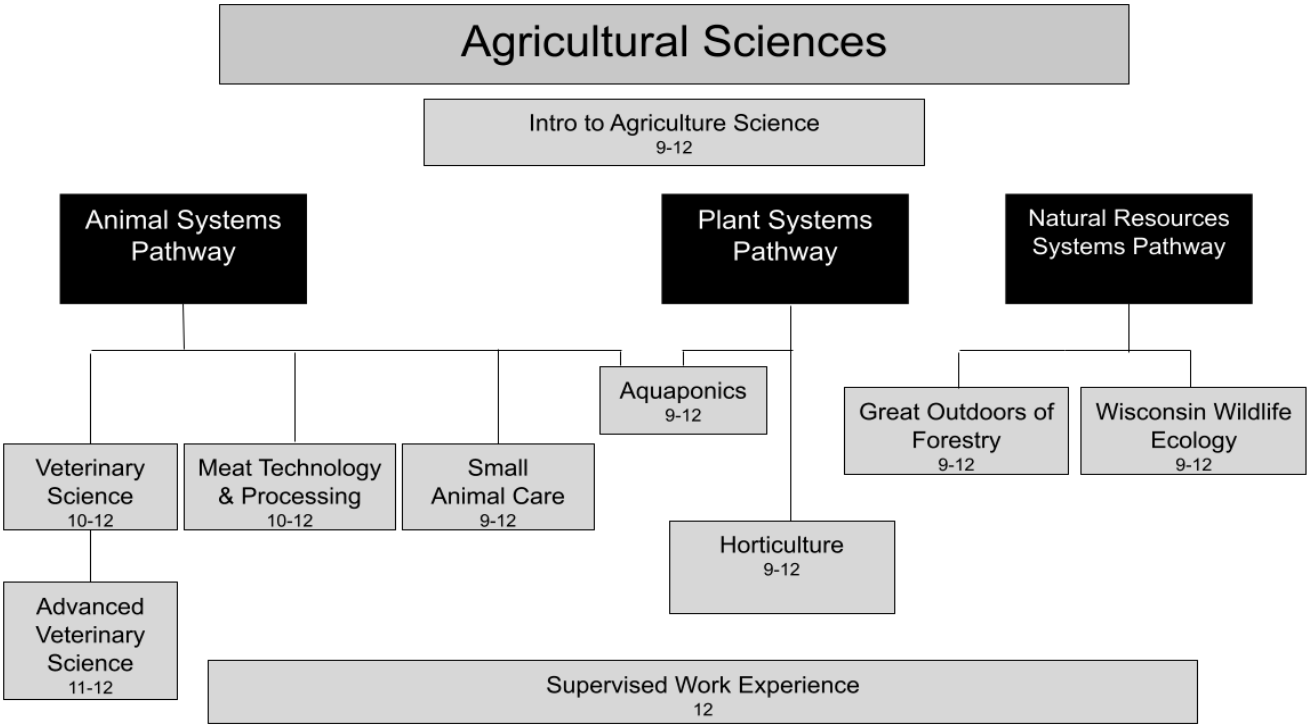
INSTRUCTOR PERMISSION REQUIRED

Students enrolled in Supervised Work Experience – Agriculture will have an opportunity to work in the production or agri-business areas. Students will be placed on a work experience job. Eligible work sites for this program include B.T.U. Management, Walsh's Grain Farms, Mitotech, Gray Electric, Dumore, Northside Mobil, A.T.H. Auto Body, Wisconsin River Meats, Allied Co-op, Mauston Tool, and other agriculture businesses. Satisfactory work reports, regular school attendance, and be good standing are all requirements.

Supervised Agriculture work study will be terminated if the above criteria is not followed, or if you receive a failing grade. This course is a privilege.

Students also may be eligible to enroll in the Youth Apprenticeship Program through these positions and receive certification depending on employment critieria.

1. They must be at work during the scheduled block of class time five school days per week.
2. Their work study must be related to agriculture.
3. They can NOT be out for a sport if their work placement is out of Mauston.
4. Must have a placement within the 4th day of the term or be placed into another class.
5. Must have transportation from school to placement.
6. Any failing term grade in Supervised Work Experience or Youth Apprencticeship placements will result in the termination of the next course placement and work release privilege.



CAREER & TECH ED:

Business Education & Computer Science

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
Business Courses						
705	Personal Finance **REQUIRED FOR GRADUATION**	11, 12	None	.5 Laude	WTC Transcripted	
712	Sports & Entertainment Management	All	None	.5 Laude	WTC Transcripted	
725	Accounting I	10, 11, 12	None	1.0 Laude	CAPP 3 College credits	$110 / credit
728	Accounting II	11, 12	Accounting I	1.0 Laude		
740	Business Law	10, 11,12	None	.5		
731	Computer Applications- MS Suite Certification	All	None	.5 Laude	WTC Transcripted	
628	Computer Graphics in Business	All	None	.5		
IT and Computer Science Courses						
780	Exploring Computer Science	9, 10	None	.5		
789	AP Computer Science Principles **Taught by MHS Staff**	10,11,12	Successful Completion of Math 2 and Teacher Recom.	1.0 Laude	AP Exam	Fees may apply
2270	AP Computer Science A/B **Taught in virtual format**	11, 12	Successful Completion of AP Computer Science Principles, and Teacher Recom.	1.0 Laude	AP Exam	$99
2245	Principles of Information Security **Taught in virtual format from Northcentral Tech. College**	11, 12	Successful Completion of Math 2 and Counselor approval	.5 Laude	2 college credits	

Business & Information Technology Education

Personal Finance (#705) .5 credits **Grades 11-12** **REQUIRED FOR GRADUATION** Laude

Western Technical College *TRANSCRIPTED WITH WTC*

Personal Finance is a course designed to help students be productive consumers. Topics covered in this class include: learning about the economic process, the free enterprise system, today's business organizations, filling out federal and state income tax forms, banking and check writing, car and health insurance, payroll, careers, and budgeting.

Sports & Entertainment Management (#712) .5 credits Grades 9-12 Laude

TRANSCRIPTED WITH WTC

Sports and entertainment management is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

Accounting I (#725) 1 credit Grades 10-12 Laude

(*Optional dual credit CAPP course through UW-Oshkosh – 3 UW transferrable credits.)*

Accounting I provides the student with the necessary information to complete the accounting cycle. The student will learn how to analyze and prepare financial records and reports. In addition, students will learn how to provide information about the operations of a business needed by management for decision making. Accounting is the language of business and is an excellent course for the college-bound student or those interested in business.

Accounting II (#728) 1 credit Grades 11-12 Laude

Successful completion of Accounting I required.

Students will continue to learn how to analyze and interpret financial records and reports. Students will learn how to analyze and interpret financial records and reports for sole proprietorships and partnerships. This course is designed to further prepare the college-bound student or those who desire to study accounting and/or theory, and practice as well as business procedures, and accounting records.

Business Law (#740) .5 credits Grades 10-12

Business Law examines the Court systems and types of crimes. Since the focus of the course is on business, the units of study include contracts, buying and selling goods, consumer protection and credit, insurance and banking/borrowing.

Business Law emphasizes how the law affects young adults. This course will help students become aware of both their rights and responsibilities under the law and provide them with practical guidelines for becoming effective consumers and citizens. It will also help them develop the ability to recognize legal problems in everyday living. This course will explore and make the student become aware of their rights and responsibilities when: renting an apartment, buying and financing a car, opening a charge account and handling credit, insurance, marriage/divorce contracts, wills, and other kinds of contracts.

Computer Applications - MS Office Suite Certification (#731) .5 credits Grades 9-12 Laude

TRANSCRIPTED WITH WTC

Are you ready for more than just your basic computer knowledge? Looking to develop computer skills and get ready for college? Expand your skills by using Microsoft Office 2016, such as Excel, Word, PowerPoint,Windows Explorer, Internet and computer concepts. Use Microsoft Office Programs to create business documents, and effective spreadsheets with charts. When leaving this class you may receive transcripted college credit and have an opportunity to become Microsoft Certified! (MOS)

Computer Graphics in Business (#628) .5 credits Grades 9-12

Students will utilize the process and art of combining text and graphics to communicate effective messages in the design of logos, graphics, brochures, newsletters, posters, signs, and other types of visual communication as they relate to the business world. Adobe Photoshop and In Design software will be used for students to create visual communications for professional and desktop printing.

IT and Computer Science

Exploring Computer Science (#780) .5 credits Grades 9-10

This course is designed to allow students to explore a variety of computer science topics, such as human and computer interaction, block-based programming problem solving, artificial intelligence (AI), web design, data analytics and robotics.

Students will develop critical thinking, logic, and problem solving skills relevant to today's technology.

AP Computer Science Principles (#789) 1 credit Grades 10-12 Laude

Successful completion of Math 2 and Teacher Recommendation

Students should take this course if they're interested in any career involving computers. Whether it's business management/ownership, accounting, engineering, graphic design, manufacturing, construction, marketing, law, or any other career involving computers. The course contains five core units of study, with a sixth unit devoted almost exclusively to students working on their AP Performance Task (PT) projects. It is **NOT** required for students to take the AP test. Computing affects almost all aspects of modern life and all students deserve a computing education that prepares them to pursue the wide array of intellectual and career opportunities that computing has made possible.

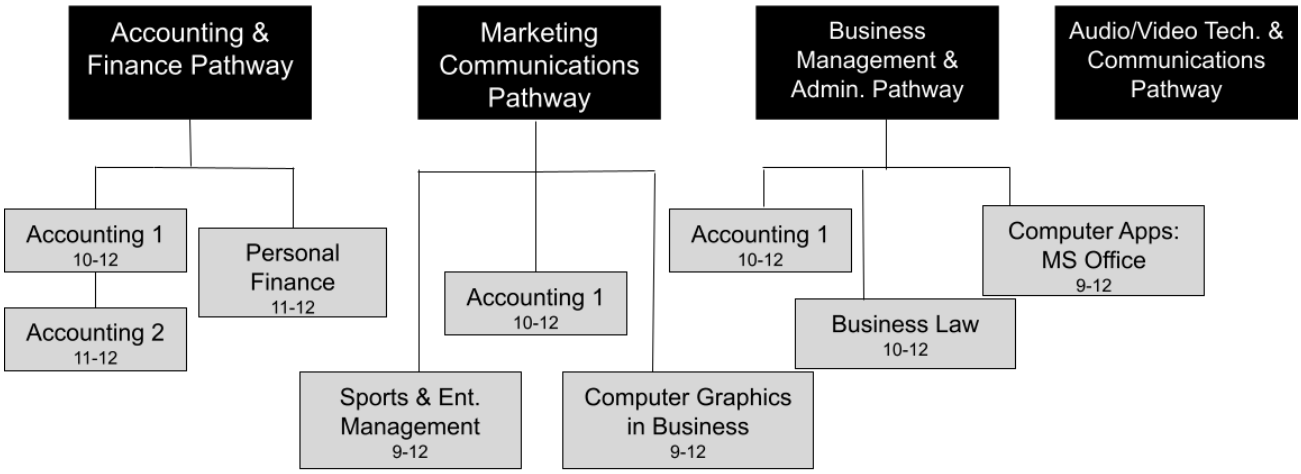
Taught by MHS Staff

****Students do not need any prior knowledge of computing.**

AP Computer Science A (#2270) 1 credit Grades 11-12 Laude

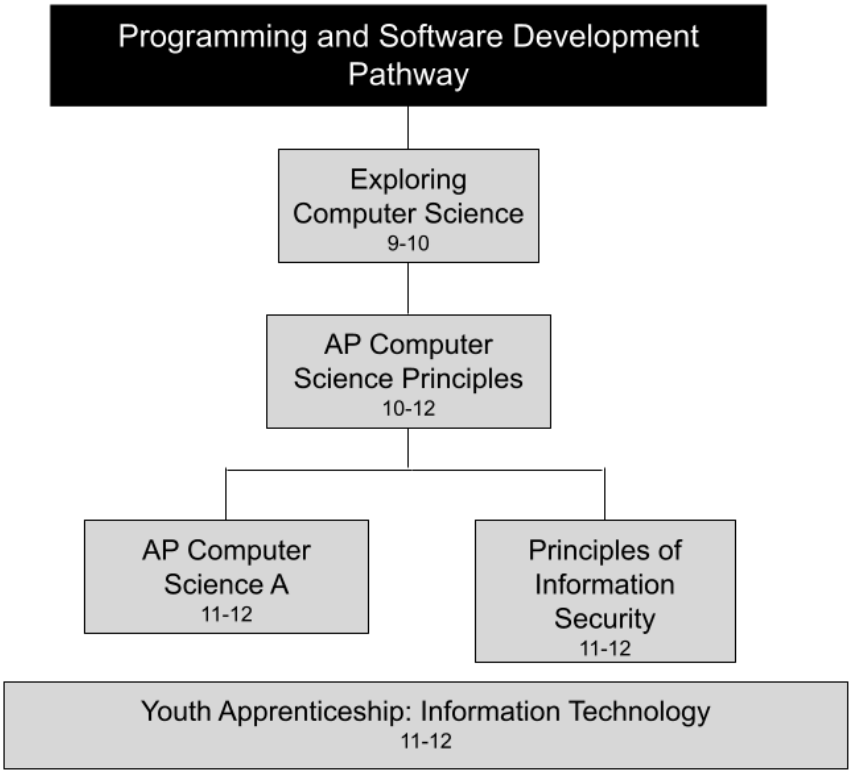
Broadcast virtually. Computer Science department or counselor recommendation - Rigor

Business



Youth Apprenticeship: Business, Finance, Accounting, Marketing, Hospitality/Tourism
11-12

Computer Science



Youth Apprenticeship: Information Technology
11-12

CAREER & TECH ED:

Family & Consumer Science and Education & Training

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
930	Sewing Techniques I	All	None Class size: 15	.5		$15-30
932	Sewing Techniques II	10, 11, 12	Successful completion of Sewing I	.5		$15-30
900	Culinary Techniques I	All	None	.5 Laude	WTC Transcripted	
901	Culinary Techniques II	All	"C" or higher in Culinary Tech I	.5		
911	Foreign Foods & Cultures	All	None	.5		
909	Professional Cooking (Pro-Start I)	10, 11, 12	"C" or higher in Culinary Tech I	.5 Laude	WTC Transcripted	
495	Food Science	10, 11, 12	Successful completion of Phy Science & Biology I/II	1.0		
Education & Training						
926	Child Development	11,12	None	.5 Laude	WTC Transcripted	
970	Level 1 Classroom Assistant	11, 12	No discipline or absentee issues.	.5		

Sewing Techniques (#930) .5 credits **Grades 9-12**

Class size: 15

This is a course for students interested in learning the basics of fabric selection, clothing construction and care. Through classroom instruction, students will learn the basics about sewing machines and hand sewing including cross stitch, knitting and crocheting. Students will be required to choose and then construct their own sewing projects applying all the information gained from learning the basics of clothing construction. We will also be creating a service project for the community. *** The average project costs around $15-$30 depending on the type of project you choose.

Sewing Techniques II (#932) .5 credits **Grades 9-12** **Successful completion of Sewing Tech I**

Class size: 5

Sewing Techniques II will expand on all the areas introduced in Sewing Techniques. Students will explore how to put a zipper in, buttons and buttonholes, quilting, fitted clothing and continue with a service project. All the skills from Sewing Techniques I will be utilized. This class will be independently paced and the student must pass Sewing Techniques I or be teacher approved for this course.

Culinary Techniques I (#900) .5 credits **Grades 9-12** Laude

Western Technical College TRANSCRIPTED with WTC

This course covers the basics in food preparation and technology for the family. The student who has had no previous experience in food preparation will be quite comfortable in this class, which emphasizes problem solving, thinking skills, communication, and collaboration.

Culinary Techniques II (#901) .5 credits **Grades 9-12**

Pre-requisite: "C" or higher in Culinary Techniques I

This course is an extension of Culinary Tech I, with different units, designed for the student who is able to measure accurately and is familiar with some food preparation. The student will be encouraged to work with a variety of foods, recipes, and techniques that are used in typical family situations, again emphasizing problem solving, thinking skills, communication and collaboration.

Foreign Foods & Cultures (#911) .5 credits **Grades 9-12**

This course introduces the student to the foods, typical meals, and food-related customs of various countries in the world. Historical and geographical background to each area's food style will be studied.

ProStart I: Professional Cooking (#909) .5 credits **Grades 10-12** Laude

Western Technical College TRANSCRIPTED with WTC

Pre-requisite: **"C" or higher in Culinary Techniques I**

This class is intended for students who are interested in working in a restaurant. Students will learn how to prepare food safely on a professional level. They will be introduced to industrial equipment and large scale cooking. Students will also explore the many career opportunities in the hospitality industry.

Food Science (#495) 1 credit **Grades 10-12**

Successful completion of Physical Science and Biology I & II required or admin approval. This course awards Science credit

This course is intended to give students that anticipate pursuing a post-secondary education an understanding of the chemical and biological principles of food as well as an awareness of the career opportunities that exist in the food industry. Topics of study include: chemical and biological principles and processes related to food production, processing and consumption, nutrition analysis of foods, product development, food biotechnology, and solid waste – as the result of production, processing and consumption. Students will understand how food affects the body and will be able to use lab equipment and complete lab evaluations. They will also do a required major project dealing with food and all its benefits. This food will be cooked, served, and evaluated in at least a 10-page report.

Child Development (#926) .5 credit **Grades 11-12** Laude

Western Technical College TRANSCRIPTED with WTC

If you love working with young children, then Child Development is a course that will place you in the right direction to a career path in education. This course is designed for students in 11th or 12th grade or at least 17 years of age, who have a

potential career interest in working with young children. Students will learn the skills needed to earn an *Assistant Child Care Teacher Certificate* from the state of Wisconsin. Throughout the semester, students will be planning and conducting educational experiences for pre-school children. Students will be required to spend a minimum of 10 hours in an approved supervised early childhood setting. (This may or may not be done during class time due to the timing of the class and other possible restrictions)

Level I Classroom Assistant: Exploration in Education (#970) .5 credits Grades 11-12

Level I Classroom Assistant: If you are **not** on an education pathway, maximum 1 credit per high school career with no pre -requisite courses BUT counselor or program coordinator recommendation or approval required.

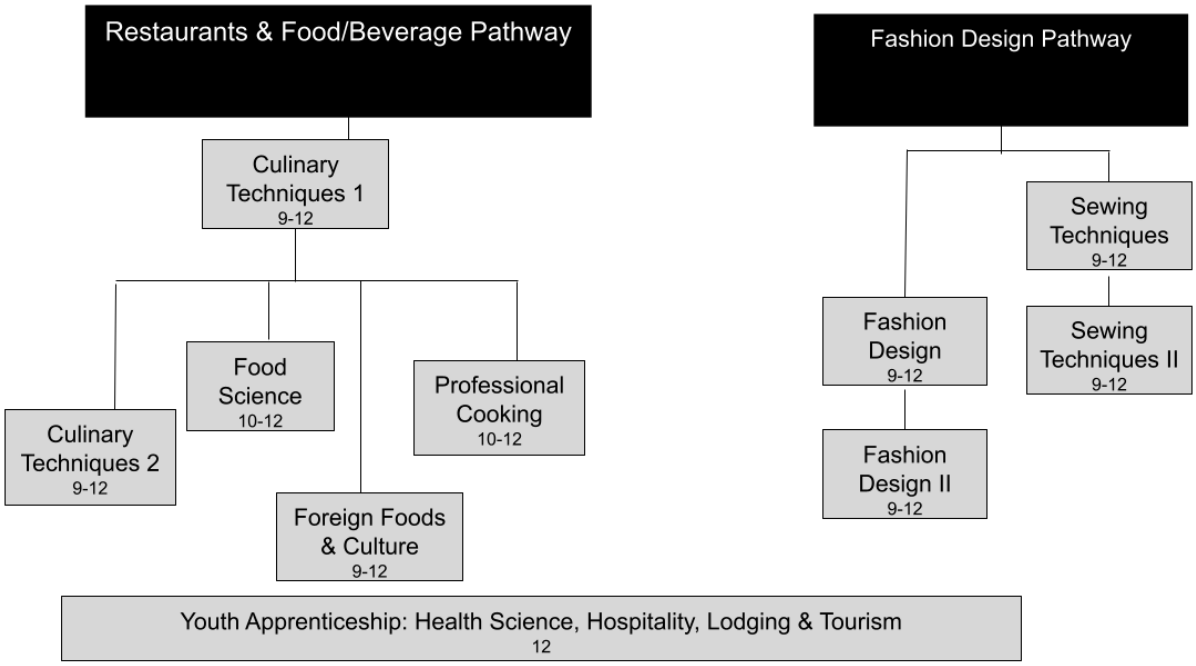
If on an Education pathway, maximum of 1 credit of Level 1 Classroom Assistant and then need to be enrolled in Individual, School, and Society during a fall semester with Teaching Practicum to follow senior year.

"Classroom Assistant" as assigned by the program coordinator. These experiences are for students who enjoy working with younger students or peers, would like to reinforce their own academic skills through working with others, or who may be interested in pursuing a career in education. All classroom assistants are encouraged to join the Educators Rising co-curricular student activity group. Transportation to and from Lyndon Station Elementary School or St. Pat's is required if you are assigned to work with this age level student.

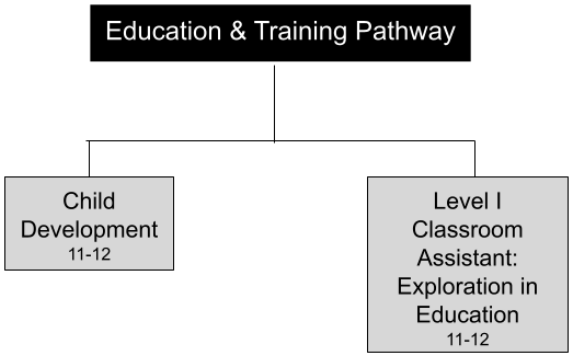
EDUCATORS RISING PROGRAM

Educators Rising is a national organization dedicated to supporting high school students interested in becoming teachers. Mauston High school's chapter of Educators Rising meets monthly. Membership is free and open to all students. Through Educators Rising, students will participate in high quality discussions with local accomplished educators They will explore careers in education beyond the traditional classroom setting. Educators Rising field trips include visits to classrooms in urban, suburban, other rural settings, and universities. Members will attend the yearly state summit where they will meet future teachers from across the state, participate in professional development, and enter competitions if they choose.
Availability for the 25-26 school year pending based upon staffing.

Family & Consumer Science



Education & Training



CAREER & TECH ED:

Technology & Engineering

Due to the construction of the Tech Ed Department, technical education courses are subject to change based on availability of space and materials. Please understand that courses selected for registration may or may not appear in your schedule, or are subject to change at any time.

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
856	Technology Systems	9, 10	None Class Size: 24	.5		Fees may apply
875	Materials Processing I	All	None	.5		Fees may apply
876	Materials Processing II	All	"C" or better in Material Processing I	.5		Fees may apply
879	Machining 1	All	None Class Size: 16	.5		Provide leather boots/shoes
838	Applied Welding	All	None Class Size: 17	.5 Laude	WTC Transcripted	Provide leather boots/shoes
840	Advanced Welding	All	"C" or better in Applied Welding Class Size: 17	.5 Laude	WTC Transcripted	Provide leather boots/shoes
867	Fabrication Lab I / Engineering Innovation	All	None Class Size: 15	.5		$20
843	Small Engines	All	None	.5		
880	Auto Technology	10,11,12	Successful completion of Small Engines - Class Size: 16	.5 Laude	WTC Transcripted	
862	3D Solid Modeling (Fusion360)	10, 11,12	Recommended completion of Tech Systems prior Class Size: 14	.5		
868	Fabrication Lab II / Engineering Design	10,11,12	"C" or better in Fab. Lab. I Class Size: 12	.5		$25
869	Golden Eagle Enterprises	11,12	"C" or better in Fab Lab I & II and Instructor permission, application required- Class Size: 14	2.0 - Year Long		
842	Super Mileage Car & Contest	11, 12	"B+" or better in Applied Welding and/or Small Engines AND Instructor Permission	.5 Laude		
883	Construction Technology I (Tiny House)	11	"C" or better in Material Processing I or Instructor Permission Class size: 15	1.0		
885	Construction Technology II (House Project	12	Instructor Permission and "C" or better in Const Tech I Class size: 12	3.0 - Year long Laude		
866	Engineering Fundamentals	11, 12	"B" or Higher in Algebra 2 (Math 4) and cut score on UW Math Placement Exam	1.0 Laude	UW Colleges 3 college credits	Fees may apply

Technology Systems (#856) .5 credits **Grades 9-10**

Class size: 24

As technology changes the way we live, this course will help students grasp the underlying principles of our technical society. Through the use of hands-on activities, students will learn about the four areas of technology: Communications, Construction, Manufacturing, and Transportation. Recommended as the first high school technology education course to take. ***Project fees are involved in taking this course.***

Materials Processing I (#875) .5 credits **Grades 9-12**

This first course of two is designed to familiarize you with the various types of manufacturing systems and materials. The coursework will involve working with, but not limited to, various woods, plastics and metals. The course final will be the Woodwork Career Alliance (WCA) Sawblade certificate and students will have the opportunity to leave with this national certification. ***Project fees are involved in taking this course.***

Materials Processing II (#876) .5 credits **Grades 9-12**
Successful completion of Materials Processing I with a "C" or better or instructor approval.

This course will expand on the skills acquired in Materials Processing I course. Students will work learn and practice different joinery techniques in wood working and create projects to be taken home. Students will work with wood, plastic, metal and other materials. ***Project fees are involved in taking this course.***

Machining I (#879) .5 credits **Grades 9-12**

Class size: 16

This course is a project-based, introductory course for students interested in the technology involved in the manufacturing industry and its career pathways. Students will learn the basics of manufacturing using precision measurement, milling processes, lathe processes, and various metal forming processes. Students will fabricate a project using complex blueprints and various manufacturing techniques. Students may have the opportunity to earn certification in this class.

Applied Welding (#838) .5 credits **Grades 9-12** Laude

Western Technical College *TRANSCRIPTED WITH WTC*

Class size: 17

This course will help develop welding skills and techniques that are currently being used in industry today. Properties of different metals along with welding processes that include; ARC welding, MIG welding, TIG welding, Oxy-acetylene brazing and cutting processes. Students will be required to complete one project/repair using the welding techniques learned. There is an opportunity for students to receive WTC technical school credit through this course if they obtain at least a "B-" for a final grade. Students will need to provide their own leather boots/shoes.

Advanced Welding (#844) .5 credits **Grades 10-12** Laude

Western Technical College *TRANSCRIPTED WITH WTC*

Class size: 17 Prerequisite: "C" or better in Applied Welding

This course will expand on students TIG and MIG welding skills and techniques taught in Applied Welding. Students will perform welding techniques on mild steel and applications of the gas-tungsten arc welding process which will also include set up, troubleshooting and tungsten selection on ferrous materials (steel and stainless steel) and non ferrous (aluminum). This course will also include an introduction to the CNC cutting table and press brake. Students will need to provide their own leather boots/shoes.

Fabrication Lab I / Engineering Innovation (#867) .5 credits Grades 9-12

Class size: 15

The Fabrication Laboratory is a class in which students will use some of the most current and advanced fabrication and prototyping tools available in the industry. They will learn how to use a Laser Engraver, Vinyl Cutter, CNC Milling Machine, CNC Plasma Cutter, CNC Router, 3D printers and the computer-aided design (CAD) software that goes along with them. Through a few teacher guided projects as well as some student led projects and assignments, students will gain an entry-level understanding of the systems and their uses. Design and problem-solving will be skills that are focused on throughout this class. **Estimated fee cost: $20.**

Small Engines (#843) .5 credits Grades 9-12

Small internal combustible engines are prevalent in all areas of our life. In this course, students will gain a better understanding of engine operation and theory, valve train, compression, fuels, and electronics. Students will disassemble and reassemble a small gas engine, do periodic maintenance, and use diagnostic equipment. Classroom and shop time will be divided.

Auto Technology (#880) .5 credits Grades 10-12 Laude

Western Technical College *TRANSCRIPTED WITH WTC*

Class size: 16 Prerequisites: Successful completion of Small Engines

This course is designed to give students an overview of how their car works and basic car class. Areas that will be covered will include automotive engines and body work. Students will learn many different basic car care skills. The student will also gain an understanding of the mechanical systems that support the engine. Shop activities will include safety orientation, automotive maintenance, tune-ups, and basic diagnostic work. The class will discuss different automotive careers and tour local businesses. The course time is divided between class time and shop activities. The course final will be the Automotive Service Excellence (ASE) G1 exam and students may have the opportunity to leave with this national certification.

3D Solid Modeling (Fusion360) (#862) .5 credits Grades 10-12

Class size: 14 Recommended courses to take prior to this course: Technology Systems

This course is a fundamental engineering course, meaning over 80% of the course is computer based. Students will use Fusion360 design software to draw parts, assemblies, and blueprints. Using parts created by manufacturing businesses, the students will use reverse engineering to recreate the part in a 3D environment and blueprints. We will also dive into the concepts of Computer Aided Manufacturing (CAM), which make the toolpaths needed for machining. We will be prototyping and manufacturing several products on our HAAS Mini Mill or HAAS Toolroom Lathe. Students have the opportunity to earn certifications in this class through Titans of CNC for both the design and manufacture of given parts.

Fabrication Lab II / Engineering Design (#867) .5 credits Grades 10-12

Class size: 12 Successful completion of "Fabrication Laboratory I" with a "C" or better.

This is a design-heavy class with the introduction of a real-world problem that the students must create an applicable solution for using the various technologies that are available to them in the Fab Lab. Students will also have several projects and assignments to further increase their ability to understand the operation and application of the Fab Lab equipment. Multiple CAD programs will be used throughout this course. **Estimated fee cost: $20.**

Golden Eagle Enterprises (#869) 2 credits **Grades 11-12** **Class Size: 14**

*Successful completion of Fabrication Lab I & II with a "C" or better AND Instructor/Administrator Permission. Application required.

*NOTE: If taking for Business Office position, you do not need a Fab Lab prerequisite. Accounting and additional business courses are highly recommended for this position.

* Required application and interview prior to acceptance into this course.

It is highly recommended to have experience in one or more of the following classes:

- Materials Processing 1
- Welding
- 3D Solid Modeling
- Super Mileage Competition
- Accounting 1
- Computer Applications
- Marketing
- Art 1

Golden Eagle Enterprises is a student-run business where students can apply their knowledge from a variety of courses to create products for resale and complete customer work requests. Students will work in teams to dictate the projects for the class, as well as being in charge of the marketing and business end of the projects made.

Super Mileage Car & Contest (#842) .5 credits Grades 11-12 Laude

Class size: 12 "B+" or better in APPLIED WELDING and/or SMALL ENGINES & INSTRUCTOR PERMISSION

This course will offer students the opportunity to build a car and race it against teams from around the Midwest. Areas that could be explored would be: CAD design, blueprint reading, welding, fabrication, and design using the Fab Lab equipment. You will learn and use employability skills to communicate with classmates, business owners, and community members, as you will need to find sponsorships to help build your cars and fund your races. Brush up on those writing skills as a proposal packet must be completed and sent in to the race officials prior to competition. Buckle up your seat belt and join the ride! Help us to stay on top as one of the most competitive teams in the super mileage program!

Construction Technology I (Tiny House) (#883) 1.0 credits Grade 11

Class size: 15 Prerequisite: "C" or better in Materials Processing I and instructor approval.

Through the focus being on building a Tiny House, this course will provide information and experience needed to enroll in the Construction Technology II class as well as expanding your knowledge of the building trades. You will learn aspects of residential construction including site preparation, site layout, foundations, framing, insulating, sheathing, roofing, windows and doors, exterior and interior finish. Blueprint reading and drawing will be covered, as well as some basic exploration of plumbing, electrical, and heating systems.

Construction Technology II (House Project) (#885) 3.0 credits-Year Long Grades 12 Laude

Prerequisite: "C" or better in Construction Technology I and Instructor permission

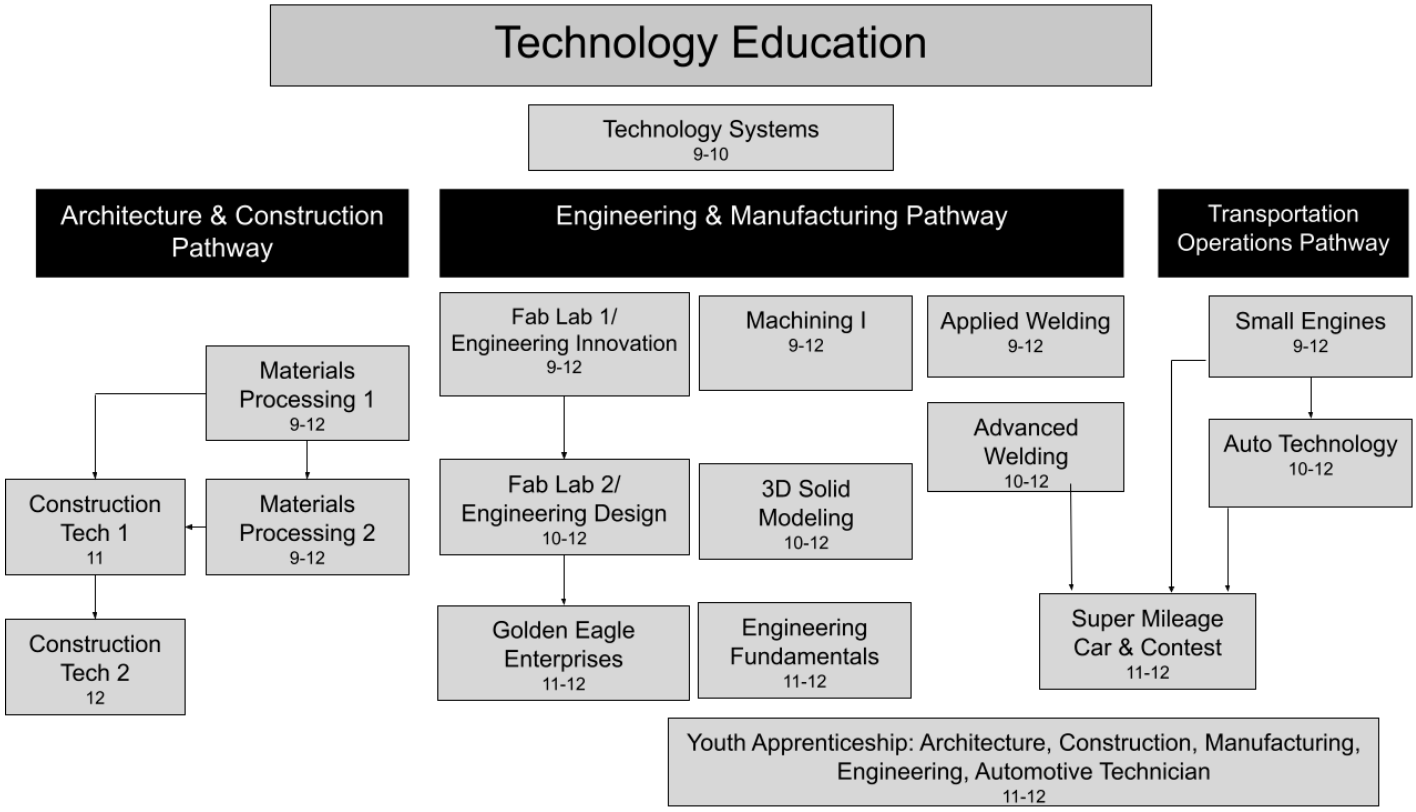
(Limited enrollment of 12 based on experience, attendance and grade records)

This class will meet for a full year, everyday, for one block and one skinny. Partnering with the local Habitat for Humanity, students will build a house off site from the school grounds. Students will be responsible for rough and finish carpentry. When possible, the students will also assist with the sub-trades; plumbing, electrical, and HVAC. The student must purchase and supply their own tool pouch, 25' tape measure, hammer, speed square, and utility knife.

Engineering Fundamentals (EGR 105) (#866) .5 credits Grades 11-12 Laude

PRE:REQUISITE: "B" or Higher in Algebra 2 (Math 4) and above cut score on UW Placement Math Score. This is a 3 credit college course – EGR 105

Engineering Fundamentals is a UW-College On-line course designed to equip engineering students with the necessary tools and background to prepare them to be successful engineering students as well as a successful practicing engineer. Topics covered in this course include project management, team work, technical writing, working with data and using spreadsheets, creating presentations, engineering design, and a thorough understanding of the engineering profession



ENGLISH

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
111	English 9	9	Required	1.0		
121	English 10	10	Required	1.0		
131	English 11	11	Required	1.0		
184	Principles of Literacy	9, 10, 11	For strong English students seeking acceleration	.5		
166	Mystery & Suspense	10, 11,12	None	.5		
161	British Literature (alternates years)	10,11, 12	None Grade 9 - with instructor approval	.5 Laude		
174	World Literature (alternates years)	10, 11, 12	None Grade 9 - with instructor approval	.5 Laude		
168	Creative Writing	10,11,12	None	.5		
143	Rhetoric of Film	11,12	None	.5		
144	Shakespeare	11,12	None	.5 Laude		
185	College Writing	11, 12	"A" or "B" in Creative Writing, ACT English 19 or college acceptance	.5 Laude	CAPP 3 College Credits	$110/ credit
102	College Reading Strategies	11, 12	None	.5 Laude	CAPP 1 College Credit	$110/ credit
171	AP English Literature & Composition **(virtual with WVS)**	11,12	"A" or "B" in past English courses and be prepared for the rigor of A.P. Principles of Literacy Prior - highly recommended, but not required	1.0 Laude	AP Exam	$99

English 9 (#111) 1 credit **REQUIRED Grade 9**

The course will include one term of grammar and vocabulary reviews as necessary, and will begin with a concentrated look at developing study skills for high school work. Students will follow the writing process through various writing experiences such as description, narration, and persuasion. This course will also include research writing to prepare students for writing research papers in their high school career, and will lay the foundation for more advanced writing classes. Students will be encouraged to share their creative writing with one another. The other term of English I includes a survey of literature. The student will consider the various genres (short stories, poetry, drama, novels) that make up our heritage of fine literature. Emphasis of this survey will be on the elements that we use to study this literature – themes, techniques, and approaches. The student will be able to apply these skills to a study of literature through his/her high school career, and will be prepared to continue this application whenever desired.

English 10 (#112) 1 credit **REQUIRED Grade 10**

American history is the story of our nation's past. In this course students will use primary and secondary sources to explore selected themes that are woven into this story. American literature selections by key authors will reflect such themes as civil rights, labor and social movements, industrial and technological change and the causes and consequences of war.

English 11 (#131) 1 credit **REQUIRED Grade 11**

This course examines the writer's purpose in the different kinds of literature: nonfiction, drama, fiction, and poetry. Students will be expected to read critically, to ask and to answer questions, to write paragraphs coherently on a unified theme, and to create longer compositions with a narrow focus. This kind of literary analysis also will enable the student to design and to deliver messages in writing which will inform, persuade, or entertain audiences.

Principles of Literacy (#184) .5 credits **Grades 9-11**

This is an intensive course designed for students who have a passion for literature and writing and who are motivated to challenge themselves with complex reading and writing. This course is designed for those students intending to take AP English or English Dual Credit Courses their junior or senior year. The course provides accelerated learning of skills including analysis and synthesis of complex fiction and nonfiction texts and advanced composition skills.

Mystery & Suspense (#166) .5 credits **Grades 10-12**

From the emotional state of impending dread to the whodunnit story, this course delves into both mystery and suspense. Determine the differences between soft-boiled and hard-boiled detective fiction, as well as authors' techniques to create and build suspense. Literary works include authors such as Edgar Allan Poe, Sir Arthur Conan Doyle, Raymond Chandler, Dashiell Hammett, and various contemporary young adult mysteries. This course also examines suspense in film and television. Students will create their own mystery story; additionally, students will apply critical concepts such as "the interstitial," "art horror," and "the abject" in order to compose a literary analysis on the studied works.

British Literature (#161) .5 credits **Grades 10-12** **(Grade 9 with instructor approval)** Laude

Highlighting classic authors and works, the course surveys periods in the development of the English language and literature ranging from the Anglo-Saxon epic, Arthurian legends, works by Chaucer, Shakespearian drama, Romantic poetry, and modern short story. By reflecting upon the authors and their enduring works, students will be able to understand their own heritage more clearly by comparison to and analysis of literature already in their learning experience. **The course offers a strong cultural literacy base, and, while not required, is strongly encouraged for college-bound students.** Because of the accelerated pace of this course, students must be self-motivated, willing to pursue additional reading beyond the classroom, and prepared to share their thoughts with others. ***This course WILL BE offered on an alternate year basis. It is planned for the 25-26 school year.***

World Literature (#174) .5 credits **Grades 10-12** **(Grade 9 with instructor approval)** Laude

World Literature is a course designed to study the progression of literature from its roots in tribal storytelling in Africa to 20th century Realism. We will trace common themes of writing chronologically across Africa, Asia, and Europe and focus on the incredible similarities that occur between these regions and cultures. Famous works that will be read include Dante's Inferno, the Bhagavad Gita, Chaucer's Wife of Bath, and 1001 Arabian Nights or Oedipus Rex. *This course will be offered on an alternate year basis. It is **NOT** planned for the 25-26 school year.*

Creative Writing (#168) .5 credits **Grades 10-12**

This course is offered to those students who want to sharpen their creativity by writing what's on their mind and reading what's on the minds of the others in the class. Matters of grammar and usage may be addressed, as well as the process of writing, but the emphasis will be on the writing of the students in the class. Students will have the opportunity to see their work published in the South Central Conference Writing Magazine.

Rhetoric of Film (#143) .5 credits **Grades 11-12**

Discover why films of the 1940's, 50's, 60's, and 70's can still stand up to films of today. Literary analysis via the medium of film will be the cornerstone of this course. The movies we study are all on the American Film Institute's Top 100 films of all time. *Citizen Kane, Casablanca, Some Like It Hot,* and the movies of Alfred Hitchcock are the featured films in this course. Learn how to identify the symbolism and characterization a director is communicating to the viewer by analyzing camera angles, lighting, theme, musical choices, setting, costumes, and transitions. Several papers will be composed and written analysis assignments will accompany every film. Participate in spirited debates why the film was successful and whether or not the actors did their job effectively. Be prepared to never watch a movie the same way again!

Shakespeare (#144) .5 credits **Grades 11-12** Laude

Can't get enough of the Bard? This class just might be for you. It will be designed for the serious student who wants to study William Shakespeare and plays that haven't been covered in other English classes. You will study romances, tragedies, histories, and some of his sonnets. Class activities include reading the plays, acting out scenes, viewing different interpretations of plays that have been made into films, writing activities, presentations, and a possible field trip to a Shakespearean production.

College Writing (#185) .5 credits **Grade 11*-12** Laude

CAPP cooperative • academic partnership • program DUAL CREDIT

Highly recommended for seniors planning to attend a four-year university
Students need an A or B in Creative Writing class, or an ACT English 19, or college acceptance.
(*Optional dual credit CAPP course through UW-Oshkosh – 3 UW transferrable credits.)*
Only open to juniors who are selecting the dual credit CAPP option - if not interested in CAPP credit, they should wait until their senior year to select this option.

This writing course is intended for the student who needs to develop better skills in the various kinds of writing expected in institutions of higher education. Study of the writing process and practice in expository, descriptive, comparative and persuasive writing will be undertaken. Activities include creating original essays, writing a research paper, self and peer-editing, analyzing literature and a continued study of vocabulary and spelling, and writing conventions.

College Reading Strategies (#102) .5 credits **Grades 11-12** Laude

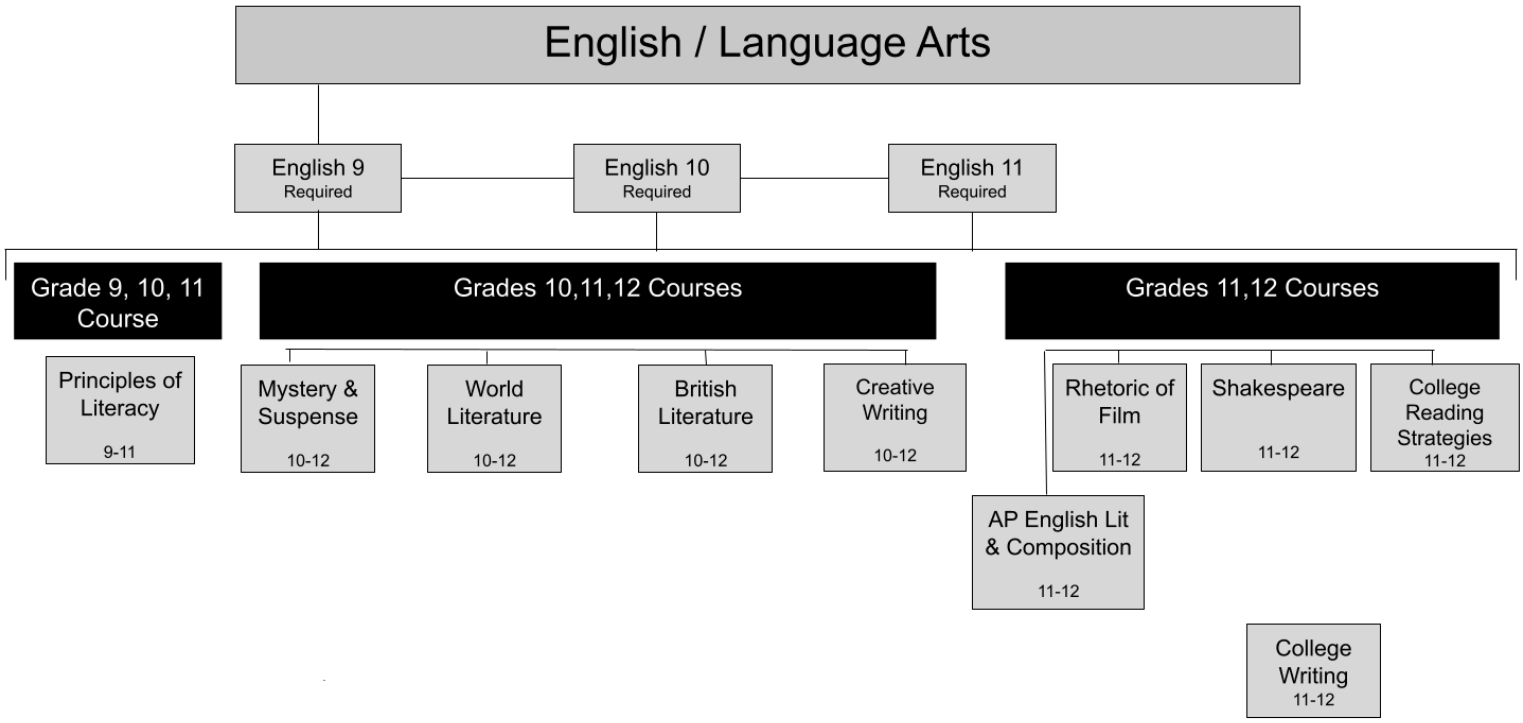
CAPP cooperative • academic partnership • program DUAL CREDIT

(*Dual credit CAPP course through UW-Oshkosh – 1 UW transferrable credits.)*

This on-line course is for students who have mastered basic reading skills and desire growth in the higher level reading demanded for the mastery of college textbooks. Focus will be on comprehending nonfiction, strengthening study reading techniques, improving vocabulary and increasing reading rate in difficult material.

A.P. English Literature & Composition (#171) 1 credit **Grades 11-12** Laude AP

YOU MUST HAVE "A" or "B" in past English courses and be prepared for the rigor of A.P. Admin approval.
Principles of Literacy completed prior is recommended, but not required.
Taught Virtually through the Wisconsin Virtual School (WVS)
This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.
Students may earn college credit after successful completion of class and AP Exam. * If the student is failing the AP course at the end of the first term, they may be dropped from the course. *


English / Language Arts
English 9
Required
English 10
Required
English 11
Required
Grade 9, 10, 11 Course
Grades 10,11,12 Courses
Grades 11,12 Courses
Principles of Literacy
9-11
Mystery & Suspense
10-12
World Literature
10-12
British Literature
10-12
Creative Writing
10-12
Rhetoric of Film
11-12
Shakespeare
11-12
College Reading Strategies
11-12
AP English Lit & Composition
11-12
College Writing
11-12

HEALTH SCIENCES AND PHYSICAL EDUCATION

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
969	Health/Wellness	9	None- Required	.5		
756	Medical Terminology	11,12	Recommendation of Counselor - career pathway	.5 Laude	CAPP 1 College Credit	$100/ credit
3028	Skilled Nursing Assistant	11, 12	Recommendation of Counselor - career pathway	1.0 Laude	WTC Certificate	$100 Board Exam
3049	Intro to First Responders/EMT Training	12	Recommendation of Counselor - career pathway	1.0 Laude	WTC Certificate	$100 Board Exam
3050	Firefighter/EMR Academy	12	Recommendation of Counselor - career pathway	1.0 Laude	WTC 6 Credit Certificate	
960	Physical Education 9	9	Required Grade 9	.5		
975	Physical Education 10-12	10, 11, 12	Required Once either 10, 11, or in 12	.5		
967	Strength & Conditioning	10, 11, 12	None	.5		
965	Advanced Strength & Conditioning	11, 12	Strength & Conditioning or instructor permission	.5		
976	Adventure Class (Alternates years)	10, 11, 12	“C” or higher in Phy Ed 9 & Phy Ed 10-12	.5		
996	WIAA Referee Certification	11, 12	“B” or higher in other Phy ed classes & Instructor/Administrator Approval *Elective, NOT Phy ed credit*	.5		

HEALTH & HEALTH SCIENCE

Health/Wellness (#969) .5 credits **REQUIRED - Grade 9**

The purpose of this course is to help students understand what Health is and how to make healthy decisions in order to live a healthy lifestyle. Topics include: Personal Care and Body Systems, Mental and Emotional Health, Diet and Nutrition, Physical Fitness, Tobacco, Alcohol, Illicit Drugs, Human Sexuality, Diseases and Disorders, bullying, and cyber issues.

Medical Terminology (#756) .5 Credit **Grades 11-12** Laude

CAPP
cooperative • academic partnership • program

This course will introduce the prospective medical student to the terminology utilized in upper-level coursework and healthcare settings. This class focuses on an introduction to symptomatic terminology of all body systems. Emphasis will be placed on parts of medical terms: prefixes, suffixes, and root words. Students practice formation, analysis, and reconstruction of terms — emphasis on spelling, definition, and pronunciation.
(*Optional dual credit CAPP course through UW-Oshkosh – 1 UW transferrable credit.)*

Skilled Nursing Assistant (#3028) 1 credit and WTC Certificate **Grades 11-12** Laude

Western Technical College DUAL CREDIT

This course is offered through Western Technical College –Mauston or Tomah campus. The course is recommended for anyone considering a career in nursing, physical therapy, lab technician, or other health careers. The emphasis is on job clusters in the health field. Care skills are taught through demonstration and hands on experiences in local hospitals and nursing homes. A final – State Boards test is given at the conclusion of the course. All participants must successfully pass this exam to earn a license to practice as a Skilled Nursing Assistant in Wisconsin. The School District of Mauston Youth Options Policy 343.4 applies to students enrolling in this course, unless taken in the summer months. *Students will be responsible to pay a $100 PROMISSOR test at the end of the course and a $25 background check fee upon registering for the course.*

Introduction to First Responders/EMT Training (#3049) 1 credit and WTC Certificate **Grade 12** Laude

Western Technical College DUAL CREDIT

Grade 12 (due to age requirement for State Certification) Designed to train the student in care of the patient at the scene of an accident or sudden severe illness and during transportation to the hospital. The Emergency Medical Technician (EMT) integrates signs and symptoms and intervenes accordingly, and operates ambulance equipment necessary for lifesaving care. Offerings vary depending on availability.

Firefighter/EMR Academy (#3050) 3 credits per semester and WTC Certificate **Grade 12** Laude

Western Technical College DUAL CREDIT

Grade 12 (due to age requirement for State Certification) The Firefighter/EMR High School Academy will provide students an opportunity to complete 2 college courses required for Western's Fire Protection Technician Associate Degree, or provide the foundations of becoming a part-time/volunteer firefighter.
Fall & Spring Semester – year long program **at Onalaska Fire Department and additional locations within the La Crosse/Coulee region.** Offerings vary depending on availability.

PHYSICAL EDUCATION

Physical Education is a Wisconsin State mandated program for students in grades K-12. The High School (Grades 9-12) Physical Education program in Mauston is standards-based and designed to emphasize health-related fitness. The program will provide students with the necessary knowledge and skills to establish and maintain physical fitness, participate confidently in physical activity and maintain personal health for a lifetime of activity. The curriculum includes skill development and the application of rules and strategies of complex difficulty in the following different movement forms: 1) health-related fitness activities (cardiorespiratory endurance, muscular strength and endurance, flexibility and body composition), 2) aerobic exercise, 3) team sports, 4) individual and dual sports 5) outdoor pursuits, 6) personal safety, and 7) aquatics. Ongoing assessment includes both written and performance-based skill evaluations.

1.5 credits of Physical Education are required for graduation.

Physical Education 9 (#969) .5 credits **REQUIRED Grade 9**

Students will be provided with a structured 9 week program designed to enhance fitness through participation in individual and team sports and to utilize skills learned and developed in grades K-8. Students will engage actively in a full range of activities and learning experiences. Seasonal activities will include: Indoor/Outdoor Soccer, Pickleball, Aquatics, Floor hockey, Lacrosse, Volleyball, Weight Training, Softball, Personal Fitness and Fitnessgram fitness assessment.

Physical Education 10-12 (#975) .5 credits **REQUIRED once in Grade 10,11 or 12**

Fall/Spring Units - Seasonal units of instruction will provide an opportunity to focus on obtaining improved lifetime fitness skills and knowledge while performing particular skills and activities. This 9 week course will include Fitnessgram fitness assessment, Volleyball, Badminton, Archery, Golf/Disc Golf, Road Biking, Tennis and Softball.

Winter Units - The winter units of instruction will provide an opportunity to focus on obtaining improved lifetime fitness skills and knowledge of training principles. This 9 week course will include Fitnessgram fitness testing. Units of instruction will include Volleyball, Badminton, XC Skiing, Self-defense, Fitness Fundamentals and Weight Training.

Strength & Conditioning (#967) .5 credits **Grades 10-12**

This course may be used for a ½ credit of physical education or a ½ credit elective. Students must still complete Physical Education 9 and at least one course of Physical Education 10-12 to meet their full physical education requirements.

The purpose of this course is to emphasize the value of physical fitness through an extensive strength and conditioning program. Students interested in this class should possess moderate to excellent levels of fitness and be prepared to perform at a strenuous level each day. The course will include strength training, plyometrics, aerobics, and anaerobic conditioning. The principles regarding anatomy, physiology, nutrition and performance enhancing substances will also be covered. Students are expected to journal their daily workouts and track their progress.

Advanced Strength & Conditioning (#965) .5 credits **Grades 11-12**

Prerequisite: Strength & Conditioning or instructor permission

This course may be used for a ½ credit of physical education or a ½ credit elective. Students must still complete Physical Education 9 and at least one course of Physical Education 10-12 to meet their full physical education requirements.

This course is designed to enhance the students' current level of knowledge and expertise to an advanced level in the area of strength training and conditioning.

Adventure Class (#976) .5 credits **Grades 10-12**

Prerequisite: Earned C or higher in Phy Ed 9 & Phy Ed 10-12 classes

½ credit towards Phys Ed requirement The students enrolled in the Adventure Class will progress through an experientially-based program that emphasizes interpersonal relationships and individual growth. This course encourages students to develop greater self-confidence and, at the same time, acquire a sense of trust and commitment in their classmates. Outdoor education is designed to expose students to a variety of outdoor skills. Outdoor pursuit activities may include: camping, team building, backpacking, survival skills, hiking, fishing, orienteering, snow shoeing, cross-country skiing, canoeing, and kayaking. *This course will be offered on an alternate year basis. It is **NOT** being planned for the 25-26 school year.*

WIAA Referee Certification (#996) .5 credits **Grades 11-12**

Elective credit - Does not replace Phys Ed required classes

Prerequisite: Earned B or higher in Phys Ed classes at high school level & Instructor/Administrator approval

Do you have a love of athletics and kids, on-the-spot decision making skills, self-confidence, the dedication and determination necessary to work hard, and personal integrity? Consider becoming a certified WIAA referee! Learn the rules of the sports in which you're interested and the ins-and-outs of officiating, with the goal of preparing you to earn your license required for the world of working as a WIAA referee.

MATH

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
301	Math I	9,10	Math 8	1.0		
303	Math 2	9,10, 11	Math 8 or Math I	1.0		
305	Math 3	9, 10, 11	Math 2	1.0		
348	College Prep Algebra	11, 12	Math 2 and Math 3	.5		
325	Math 4	10, 11, 12	Math 3	1.0		
335	Consumer Math	11, 12	Math 2	1.0		
338	Math for Trade Fields	11, 12	Math 2	.5		
336	Statistics & Probability	10, 11, 12	Algebra 2, Math 4 or instructor consent	.5 Laude		
344a	Trigonometry	11,12	Algebra 2 or Math 4	.5 Laude		
344b	Precalculus	11,12	Algebra 2 or Math 4 and Trig.	.5 Laude		
334	Math for Health Professionals	11, 12	Recommendation of Counselor - career pathway	.5 Laude	NWTC 2 College Credits	Fees may apply
337	AP Statistics **Taught by MHS staff**	10, 11, 12	Instructor recommendation. Students need to be prepared for A.P. rigor	1.0 Laude	AP Exam	$99
346a	AP Calculus AB **Taught via distance learning**	11, 12	"B" or better in Pre-Calc. Counselor recommendation and Instructor recommendation for career pathways	1.0 Laude	AP Exam	$99
364b	AP Calculus BC **Taught via distance learning**	12 or as placed	"B" or better in A.P. Calc. AB	1.0 Laude	AP Exam	$99
350a	Calculus & Analytic Geometry I, II, and III **Taught via distance learning**	11, 12	"B" or better in Pre-Calc, Calc I, and Calc II. Counselor recommendation Instructor recommendation. Meeting cut scores on UW Math Placement Exam (EMPT).	1.0 Laude	Nicolet College 5 College Credits	Fees may apply
347	Differential Equations **Taught via distance learning**	11, 12	"B" or better in Calculus & Analytic Geometry III Counselor recommendation - Meeting cut scores on UW Math Placement Exam(EMPT).	1.0 Laude	Nicolet College 3 College Credits	Fees may apply

Math 1 (#301) 1 credit **Grades 9-10 - Placement by math dept.**

In this introductory course, students integrate basic concepts of algebra, geometry, statistics, probability, and problem solving. Math 1 takes a multi-faceted approach to learning. Students develop basic mental math skills, algebraic routines, connections between topics, and problem solving skills.

Math 2 (#303) 1 credit **Grades 9-11 - Placement by math dept.**

In this introductory course, students integrate concepts of algebra, geometry, statistics, probability, and problem solving. Integrated Math 2 takes a multi-faceted approach to learning. Students develop mental math skills, algebraic routines, connections between topics, and problem solving skills.

Math 3 (#305) 1 credit **Grades 9-11 - Placement by math dept.**

In this course, students integrate concepts of algebra, geometry, statistics, probability, and problem solving. Integrated Math 3 takes a multi-faceted approach to learning. Students develop mental math skills, algebraic routines, connections between topics, and problem solving skills.

College Prep Algebra (#348) .5 credits **Grades 11-12**

Successful completion of Math 2 and Math 3 and highly recommended for students pursuing programs of study in a two or four year post-secondary institution. See your current math instructor for placement recommendations.

Emphasis will be on problem solving skills and word problem strategies in a variety of real world applications. Students will be exposed to the format of a college mathematics course to help strengthen skills in algebra and geometry, probability, and statistics.

Math 4 (#325) 1 credit Grades 10-12

Successful completion of Math 2 and Math 3. This course is required for 4-year college entrance.

In this course, students integrate concepts of algebra, geometry, statistics, probability, and problem solving. Integrated Math 4 takes a multi-faceted approach to learning. Students develop mental math skills, algebraic routines, connections between topics, and problem solving skills.

Consumer Math (#335) 1 credit **Grades 11-12**

Successful completion of Math 2 or consent of instructor.

Consumer Math is a basic application course that emphasizes arithmetic and calculator skills while dealing with consumer topics. The course will explore useful, real-life topics, including learning about checking accounts, loan applications, credit issues and tax forms. Whether you are preparing for the workplace or post-secondary school, this course will help you make a smooth transition into the "financial real world". Managing your income and expenses and making sound financial decisions in personal and business settings are important skills for all consumers to have.

Math for Trade Fields (#338) .5 credits Grades 11-12

Successful completion of Math 2

This course makes connections between the construction industry and mathematics. The skills associated with arithmetic, algebra and geometry will allow a focus on how students can apply these skills to the real world of the construction trades and how these relate to the jobs students will be expected to perform.

Statistics & Probability (#336) .5 credits **Grades 10-12** Laude

Successful completion of Algebra II (Math 4) or instructor consent is required .

This course is designed to give students a thorough introduction to Statistics and Probability relevant to today's world. Students will use equations and data to chart trends and predict future events. The course will include topics and predict future events. The course will include topics such as data classifications, experimental designs, measures of variance and standard deviation, concepts of basic probability, and binomial versus normal distributions.

Trigonometry (#344a) .5 credits **Grades 11-12** Laude

Successful completion of Math 4 (Algebra II) is required.

This course will explore in depth the trigonometry ratios introduced in previous courses. Students will apply their knowledge to find angles, lengths, and areas. The graphs of sine waves will be introduced by looking at sound waves and periodic behavior. Vectors will be introduced with a look at the physical world. Students taking the ACT or Accuplacer exam will benefit from this course.

Precalculus (#344b) .5 credits **Grades 11-12** Laude

Successful completion of Trigonometry is required.

This course will prepare students for A.P. Calculus. A student will review trigonometry concepts in the context of calculus. Trigonometric proofs will provide students with a mastery of Algebraic concepts. Limits, a basic calculus skill, will be introduced and mastered in this course

Math for Health Professionals (#334) .5 credits **Grades 11-12** Laude

Northwood Technical College DUAL CREDIT

Instructor or counselor recommendation - Rigor

Following an arithmetic review, this course emphasizes those mathematical skills necessary for success in the nursing field and related health occupations. Emphasis will be placed on computational skills and applications of rational numbers; problem solving skills with ratios, proportions, and percents; basic principles and application of algebra, graphing, and statistics; measurement skills in U.S. Customary and Metric systems as well as apothecary and household systems; and the use of calculators as a tool.

A.P. Statistics (#337) 1 credit **Grades 10-12** Laude AP

Instructor or counselor recommendation - Rigor

Taught by MHS staff

The A.P. Statistics curriculum is designed to provide content equal to the best collegiate courses. This course is especially useful to those pursuing studies in mathematics, the behavioral or social sciences, biology and other applied sciences, economics and business. Topics will expand to model the national curriculum and prepare for the A.P. exam in the spring of the year.

Advanced Placement Calculus AB (#346a) 1 credit Grades 11-12 Laude AP

Broadcast via distance learning. Math department or counselor recommendation - Rigor

Originating from Hurley HS (M-F, year, 1 credit) AP Calculus AB is an advanced placement class that may allow for college credit or advanced standing when entering college. This course will allow you to challenge yourself to see what you are capable of achieving. Having experience with AP Calculus and exams can only enhance your chance of admission to a college. This will include intensive study to help students who are looking to major in the math, science, engineering, or business fields. Three-Hour exams covering topics typically included in an introductory Calculus I college course. 105 minutes of multiple-choice questions and 90 minutes of free-response questions will be used. Both the multiple-choice and free-response sections contain parts where a graphing calculator is required and parts where calculator use is prohibited. Students will be expected to have a graphing calculator for use in this class.

Advanced Placement Calculus BC (#346b) 1 credit Grade 12 Laude AP

Virtual Learning Course - WVS Math department or counselor recommendation - Rigor

Virtual Learning - WVS (M-F, year). AP Calculus BC is an advanced placement class that may allow for college credit or advanced standing when entering college. This course will allow you to challenge yourself to see what you are capable of achieving. Having experience with AP Calculus and exams can only enhance your chance of admission to a college. This will include intensive study to help students who are looking to major in math, science, engineering, or business fields. Three-Hour exams will be given covering topics typically included in an introductory Calculus I college course. 105 minutes of multiple-choice questions and 90 minutes of free-response questions will be used. Both the multiple-choice and free-response sections contain parts where a graphing calculator is required and parts where calculator use is prohibited. Students will be expected to have a graphing calculator for use in this class.

Calculus & Analytic Geometry I, II, and III (#350a) 1 credit Grade 11-12 Laude

NICOLET COLLEGE DUAL CREDIT

Broadcast via distance learning. Math department or counselor recommendation - Rigor

Prerequisite: *"B" or better in Pre-Calc, Calc I, and Calc II, respestively. Successful cut scores on UW Math Placement.*

This course is a dual credit – Start College Now – Option with Nicolet College for 5 college credits. It covers limits and continuity of functions, the derivative, and its applications. Nicolet College also offers Calculus & Analytic II for another 5 credits in the spring semester. They also offer Calculus & Analytic III for seniors who may have completed Calc. I and II in their junior years.

Differential Equations Linear Algebra (#347) 1 credit Grade 11-12 Laude

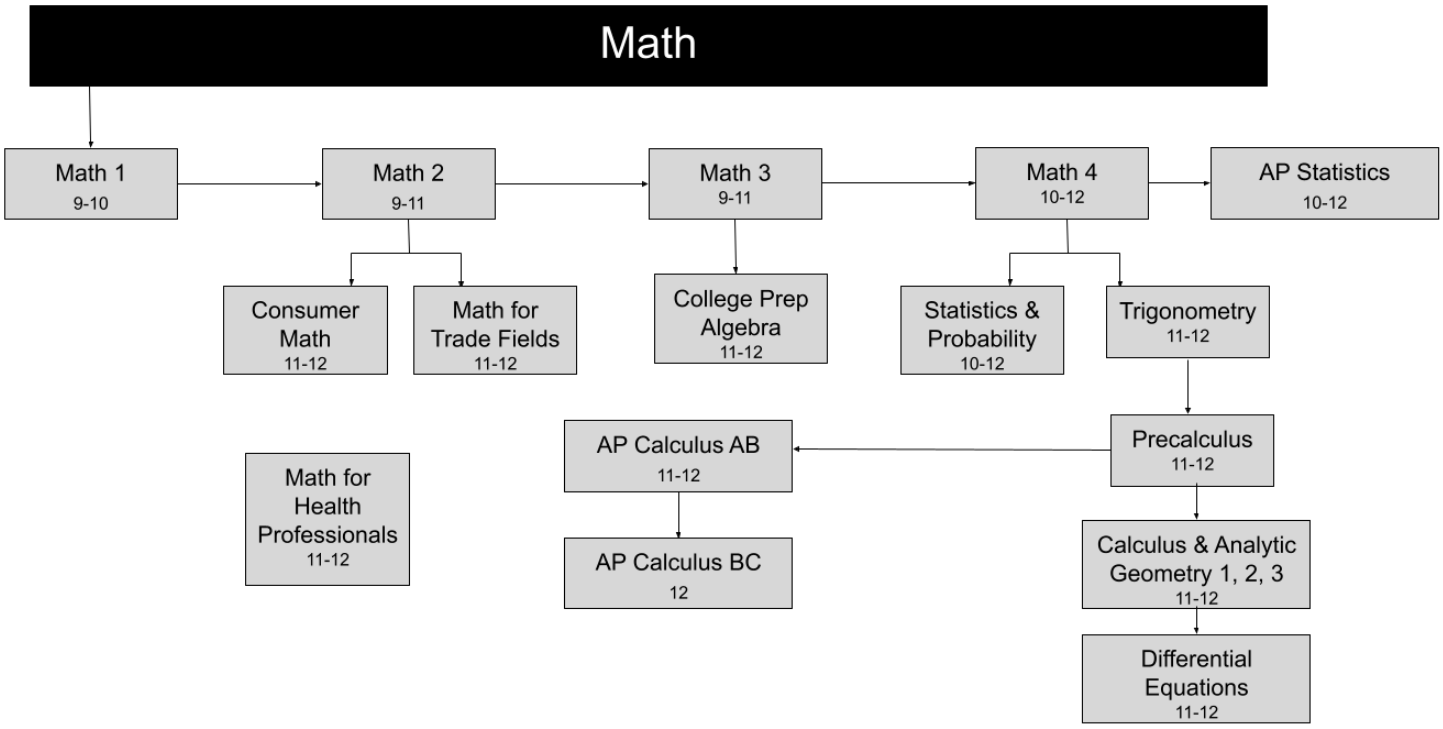
NICOLET COLLEGE DUAL CREDIT

Broadcast via distance learning. Math department or counselor recommendation - Rigor

This course is a dual credit – Start College Now – Option with Nicolet College for 3 college credits.

Prerequisite: *"B" or better in C*alculus & Analytic III

Differential equations are the fundamental tools that modern science and engineering use to model physical reality. Linear algebra is a part of mathematics concerned with the structure inherent in mathematical systems. Students will see that solutions of certain differential equations in fact form a vector space, and techniques from linear algebra will allow us to solve systems of linear differential equations. Topics covered will include first order differential equations, differential models, linear systems and matrices including solving systems of equations by Gaussian elimination, matrix operations, determinants, vector spaces, higher order linear differential equations, exponential methods with matrices, and nonlinear systems.


Math
Math 1
9-10
Math 2
9-11
Math 3
9-11
Math 4
10-12
AP Statistics
10-12
Consumer Math
11-12
Math for Trade Fields
11-12
College Prep Algebra
11-12
Statistics & Probability
10-12
Trigonometry
11-12
Math for Health Professionals
11-12
AP Calculus AB
11-12
Precalculus
11-12
AP Calculus BC
12
Calculus & Analytic Geometry 1, 2, 3
11-12
Differential Equations
11-12

PERFORMING ARTS

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned
636	Symphonic Band	All	Band 8 or Instructor Approval	1.0 year long Laude after 7 semesters
638	Jazz Ensemble	All	Membership in Concert Band or Instructor Approval	1.0 year long Laude after 4 semesters
660	Concert Choir	9, 10 Or 1st year	None	1.0 year long Laude after 7 semesters
650	Chamber Singers	11, 12	At least one year of Concert Choir	1.0 year long Laude after 7 semesters
665	A capella Choir	All	Audition	1.0 year long Laude after 4 semesters

Symphonic Band (#636) 1 credit - year long course **Grades 9-12** Laude

Year long commitment. Appropriate playing ability on a band instrument and desire to learn.

This is a year-long course with a different emphasis each term. The Symphonic Band meets 5 days per week and is open to any individual who wants to be part of this musical organization. Every fall season, the marching band performs for various parades and all home football games. From this marching band, the opportunity to participate in the MHS pep band, which plays at home basketball and wrestling games, is also offered. The remainder of the year is devoted to Symphonic Band with an emphasis on solo-ensemble. Laude point is awarded after participation and completion of 7 semesters of a single performance group.

Jazz Ensemble (#638) 1 credit - year long course **Grades 9-12** Laude

Year long commitment and membership in Concert Band required OR with instructor approval.

Jazz ensemble is a group consisting of saxes, trumpets, trombones, piano, bass, and drums. It is designed to expose the student to various styles of music in the jazz and rock idioms. *Beginning with the Class of 2029 and thereafter, 1.0 Laude point has been approved and will be awarded after participation and completion of 4 semesters of Jazz Ensemble.*

Concert Choir (#660) 1 credit - year long course **Grades 9-10** Laude

Concert Choir is open to all freshmen, sophomores, and first year choir students. Students will have the opportunity to sing a wide variety of musical styles with an emphasis on vocal technique, beginning sight-reading, and music theory. Students in Concert Choir are required to participate in one evening concert each quarter as a major part of their grade. Laude point is awarded after participation and completion of 7 semesters of a single performance group.

Chamber Singers (#650) 1 credit - year long course **Grades 11-12** Laude

Chamber Singers is open to juniors, seniors, and students who have been in choir for at least one year and meet high

expectations in choir. Chamber Singers studies a wide variety of musical styles and cultures. Sight-singing is heavily emphasized. Students will be expected to sight read music using solfege and have a basic understanding of music theory. Students in Chamber Singers are required to participate in one evening concert each quarter as a major part of their grade. Laude point is awarded after participation and completion of 7 semesters of a single performance group.

A capella Choir (#665) 1 credit - year long course **Grades 9-12 - Audition Only** Laude

By audition only. Auditions occur in May for the following school years ensemble. Membership in concert choir or chamber singers required.

This is a year-long commitment open to any grade level. Audition is required. Focus on a cappella music. Students must be in concert choir or chamber singers to audition for the ensemble. High energy is a must! J Solo singing is expected in an a cappella group. Students in A cappella Choir are required to participate in one evening concert each quarter. Additional performances are expected for this group. Missed rehearsals or performances may result in removal from the ensemble and failing grade. *Beginning with the Class of 2029 and thereafter, 1.0 Laude point has been approved and will be awarded after participation and completion of 4 semesters of A capella.*

SCIENCE

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
411	Physical Science	9	REQUIRED - Grade 9	1.0		
413	Biology I	9, 10	REQUIRED - Grade 10	.5		
415	Biology II	9-12	REQUIRED - Grade 10	.5		
466a	Geological Earth Science	9-12	None.	.5		
466b	Astronomy	10-12	Successful completion of Physical Science and concurrent enrollment or successful completion of Biology I	.5		
433	Chemistry	10-12	At least a "C" in Math 1 or Math 2 and Biology	1.0		
805	Aquaponics (Alternates years)	9-12	None	.5 Science		805
810	Veterinary Science	10-12	None	.5 Science Laude	WTC Transcripted	810
815	Advanced Veterinary Science	11-12	Veterinary Science	.5 Science		815
831	Great Outdoors of Forestry	All	None	.5 Laude if taken in the same year	Mid-State if take 832 in same school year	
832	Wisconsin Wildlife Ecology	All	None	.5 Laude if taken in the same year	Mid-State if take 831 in same school year	
495	Food Science	10, 11, 12	Successful completion of Physical Science and Biology I & II	1.0 Laude	WTC Transcripted	
425	Environmental Science I	11, 12	"C" or higher in Biology	1.0 Laude	CAPP 4 College Credits	$110 per Credit
490	Environmental Science II: Exploring Energy	11, 12	Successful completion of Environmental Science & "C" or higher in Biology I & II	1.0 Laude		
445	Medical Terminology	11, 12	Recommendation of science instructor or counselor - career pathway fit	.5 Laude	CAPP 1 College Credit	$110 per Credit
472a	Anatomy/Physiology I	11, 12	"C" or higher in Biology I & II	.5 Laude		
472b	Anatomy/Physiology II	11, 12	"C" or higher in Biology I & II	.5 Laude		
444	Physics **Taught in Virtual Format**	10-12	"B" or higher in Algebra 2 (Math 4) Instructor and Admin approval.	1.0 Laude		

475	AP Biology **Taught by MHS staff**	11, 12	"C" or higher in Biology I & II, and Chemistry	1.0 Laude	AP Exam	$99
488	Biotechnology	11, 12	"C" or higher in Biology I & II, & Chemistry	1.0 Laude	MATC 2 College Credits	

Physical Science (#411) 1 credit **REQUIRED - Grade 9**

Physical Science is the study of matter. It will prepare students for future science courses and help them to identify the role science plays in their daily lives. This program seeks to give all students insight into the means by which scientific knowledge is acquired. Students will learn useful laboratory skills. This course provides opportunities for students to communicate by requiring the individual to take part in a collection of learning processes.

Biology I (#413) .5 credits **REQUIRED - Grade 10**

Successful completion of Physical Science

This course will cover basic biological concepts including experimental design, biochemistry, cellular biology, genetics, evolution, and ecology using scientific investigations in which students gather, interpret, and analyze data. Science practices will also be emphasized including asking questions, developing models, and obtaining, evaluating, and communicating information.

Biology II (#415) .5 credits **REQUIRED - Grade 10-12**

Successful completion of Biology I.

This course builds on the knowledge and skills gained in Biology I. The course will include a capstone research project examining the effects of toxicants on the embryonic development of a model organism, the zebrafish.

Geological Earth Science (#466a) .5 credits **Grades 9-12**

Open to freshmen, sophomores, juniors and seniors.

The main objective of earth science is to give the student a better understanding of how the earth may have come into existence and developed into a unique planet. The emphasis for studying the dynamic nature of the earth will be accomplished through lab work and outside activities. The students will develop their own personal cause-and-effect relationship, basic to the physical and life sciences. The main areas of study are minerals, rocks and plate tectonics (volcanoes, earthquakes and mountain building).

Astronomy (#466b) .5 credits **Grades 10-12**
Open to sophomores, juniors and seniors who have successfully completed Physical Science and Biology I.

This course is for students who have a desire to become familiar with the nature and motions of celestial objects in the night sky and techniques to observe them. The properties of stars and processes in them are examined, including a discussion of the birth, evolution, and death of stars, and the formation of pulsars, black holes, quasars and galaxies.

Chemistry (#433) 1 credit **Grades 10-12**
Completion of Math 1 or Math 2 with a "C" or better in both terms is required. Successful completion of Biology I with a "C" or better.
Chemistry is the study of physical science that deals with the structure and properties of matter and the changes they undergo. Basic concepts of science will be reinforced as the student learns new concepts in chemistry through numerous classroom and laboratory activities. Certain properties of matter are related to physical as well as chemical changes. It is these properties that will be studied as well as the change in energy that accompanies that change. Please be aware that the second half of chemistry is very math heavy. This course cannot be taken unless BOTH prerequisites have been met.

Aquaponics (#805) .5 credits Grades 9-12

In Aquaponics students will learn about the growing aquaponics industry, how to run a system, how to get involved in the industry. Aquaponics is raising fish and growing plants in one system in a sustainable way. Students will spend time working with the plants and fish to learn to run the system, perform daily tests and management tasks. Areas covered in the class will be fish biology, growing plants in non-conventional ways, and the science behind the system. This course does count as a Science credit. *This course will be offered on an alternate year basis. It is **NOT** planned for the 25-26 school year.*

Veterinary Science (#810) .5 credits Grades 10-12 Laude

Western Technical College *TRANSCRIPTED WITH WTC*

This course will give students a chance to study and work with animals that may affect them each day. Animal units include dairy cattle, beef, hogs, horses, sheep, and poultry. We will discuss management practices for these animals, go over anatomy of the animals, and explore veterinary practices. Students will be able to understand practices such as milking procedures, health, reproduction, facilities, nutrition, and the proper handling of each animal. This course does count as a Science credit.

Advanced Veterinary Science (#815) .5 credits Grades 11-12

Advanced Veterinary Science will expand on all areas introduced in Veterinary Science. Students will explore the anatomy and physiology of the digestive system, reproductive, circulatory, and other systems in different animals. Dissections will be included in the discussion of the different animal systems. Students will also cover genetics and new technologies in the animal science industry. Field trips will be taken to area farms and agribusinesses. This course does count as a Science credit.

Great Outdoors of Forestry (#831) .5 credits Grades 9-12

Mid-State Technical College *TRANSCRIPTED WITH MSTC*

All phases of forestry will be covered throughout the term. Skills practiced include proper woodlot management, tree identification, determining a forest inventory, pruning, planting and harvesting trees, chainsaw safety, forest tree products and forest fire suppression. Soil study will be also included as to their relation to tree species. Work will be done at the school forest which includes pruning and selective cutting along with many different guest speakers will visit the classroom. This course does count as a Science credit.

Students successfully completing this course AND Wildlife Ecology within the same school year will be eligible for Laude and Transcripted Credit awarded by Mid-State Technical College.

Wisconsin Wildlife Ecology (#832) .5 credits Grades 9-12

Mid-State Technical College *TRANSCRIPTED WITH MSTC*

Students will be able to evaluate both common land and water wildlife species as to their habitat and food requirements. Wildlife practices include improvements needed of land, rivers, and lakes to help make wildlife thrive in the Mauston area. Water quality and plant species will be included in contrast to wildlife requirements. Personnel will be used from the DNR and wildlife departments. Students will have a chance to do wildlife improvement projects. The class will also contain a taxidermy unit. It is the perfect class to expand your knowledge about everything outdoors! This course does count as a Science credit.

Students successfully completing this course AND Wildlife Ecology within the same school year will be eligible for Laude and Transcripted Credit awarded by Mid-State Technical College.

Food Science (#495) 1 credit Grades 10-12

Successful completion of Physical Science and Biology I and II are required. This course awards Science credit

This course is intended to give students that anticipate pursuing a post-secondary education an understanding of the chemical and biological principles of food as well as an awareness of the career opportunities that exist in the food industry. Topics of study include: chemical and biological principles and processes related to food production, processing and consumption, nutrition analysis of foods, product development, food biotechnology, and solid waste – as the result of production, processing and consumption. Students will understand how food affects the body and will be able to use lab equipment and complete lab evaluations. They will also do a required major project dealing with a food and all its benefits. This food will be cooked, served, and evaluated in at least a 10-page report.

Environmental Science I (#425) 1 credit **Grades 11-12** Laude

"C" or higher in Biology I required prior to enrolling.

This course covers humans as biological organisms that interact with the living and nonliving world. Emphasis is given to how humans affect and are affected by, their environment. Topics covered include basic ecology, global change, renewable and nonrenewable energy sources, air and quality, and biological diversity.
(*Optional dual credit CAPP course through UW-Oshkosh – 4 UW transferrable credits.)*

Environmental Science II: Exploring Energy (#490) 1 credit **Grades 11-12** Laude

Successful completion of Environmental Science & "C" or higher in Biology I and Biology II required prior to enrolling.

This course will offer students a comprehensive overview of key issues related to energy and renewable energy, emphasizing both the scientific and societal aspects. Students will gain an understanding of the various forms and sources of energy, including nonrenewable sources like fossil fuels (coal, oil, natural gas), as well as renewable energy sources such as solar, wind, hydroelectric, and geothermal energy. Additionally, the course will cover converting organic materials into usable energy.

This course will also explore energy efficiency at the building level. Students will learn about strategies to reduce energy consumption in residential and commercial buildings, including the use of energy-efficient appliances, insulation, and heating and cooling technologies. They will also explore building design principles that optimize energy use, such as passive solar heating, smart lighting systems, and green building certifications like LEED.

Medical Terminology (#445) .5 Credit **Grades 11-12** Laude

This course will introduce the prospective medical student to the terminology utilized in upper-level coursework and healthcare settings. This class focuses on an introduction to symptomatic terminology of all body systems. Emphasis will be placed on parts of medical terms: prefixes, suffixes, and root words. Students practice formation, analysis, and reconstruction of terms — emphasis on spelling, definition, and pronunciation.

(*Optional dual credit CAPP course through UW-Oshkosh – 1 UW transferrable credit.)*

Anatomy/Physiology I (#472a) 0.5 credit **Grades 11-12** Laude

Successful completion of Biology I with at least a "C".

This course is designed to give junior or senior students a larger background in the area of human anatomy and physiology. Any student interested in a health career or post-secondary education should consider this course. Tentative units to be covered include: Orientation to human body, cells and tissues, the Integumentary System, the Skeletal System, Joints of the Skeletal System, the Nervous System, the Special Senses, and the Muscular System.

Anatomy/Physiology II (#472b) 0.5 credit **Grades 11-12** Laude

Successful completion of Biology I with at least a "C". *NOTE* You do NOT have to take #472a prior to #472b

This course is a continuation of Anatomy/Physiology I. Any student interested in a health career or post-secondary education should consider this course. Tentative units to be covered include: the Lymphatic System and immunity, the Cardiovascular System, the Respiratory System, the Digestive System, the Urinary System, the Endocrine System, the Reproductive System, and research topics.

Physics-WVS online format (#444) 1.0 credit **Grades 10-12** Laude

"B" or higher in Algebra II (Math 4) **Instructor and Admin approval.**

Physics explains the natural phenomena in the world around us. After taking this course, you will be able to understand and explain natural occurrences in our everyday experiences. From "why is the sky blue?" to the physical laws that govern motion and collisions, physics will provide answers for many common (and some uncommon) questions. Topics include motion (displacement, velocity, and acceleration), gravity, Newton's Laws, forces, projectile motion, momentum and impulse, energy, and many additional concepts. Physics is a great course for any student with curiosity about how and why things work, and it will build students' problem solving skills. This course may be offered through the Wisconsin Virtual School, with on-staff support, depending on the enrollment.

A.P. Biology (#475) 1.0 credit **Grades 11-12** Laude

Successful completion of Biology I & II and Chemistry with at least a "C" in Chemistry for both terms.

Course taught by MHS staff.

Advanced Placement Biology is a course which will prepare the students for further study in biology and other related fields. The topics of molecular biology, biotechnology, respiration, photosynthesis, and genetics are studied. Advanced lab technique and application will be explored and utilized. Students will be involved in a research project that requires application of the scientific method. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses and gives students the tools necessary to pass the AP examination at the end of the school year. It is highly recommended to take A.P. Biology after Environmental Science and Anatomy/Physiology I & II.

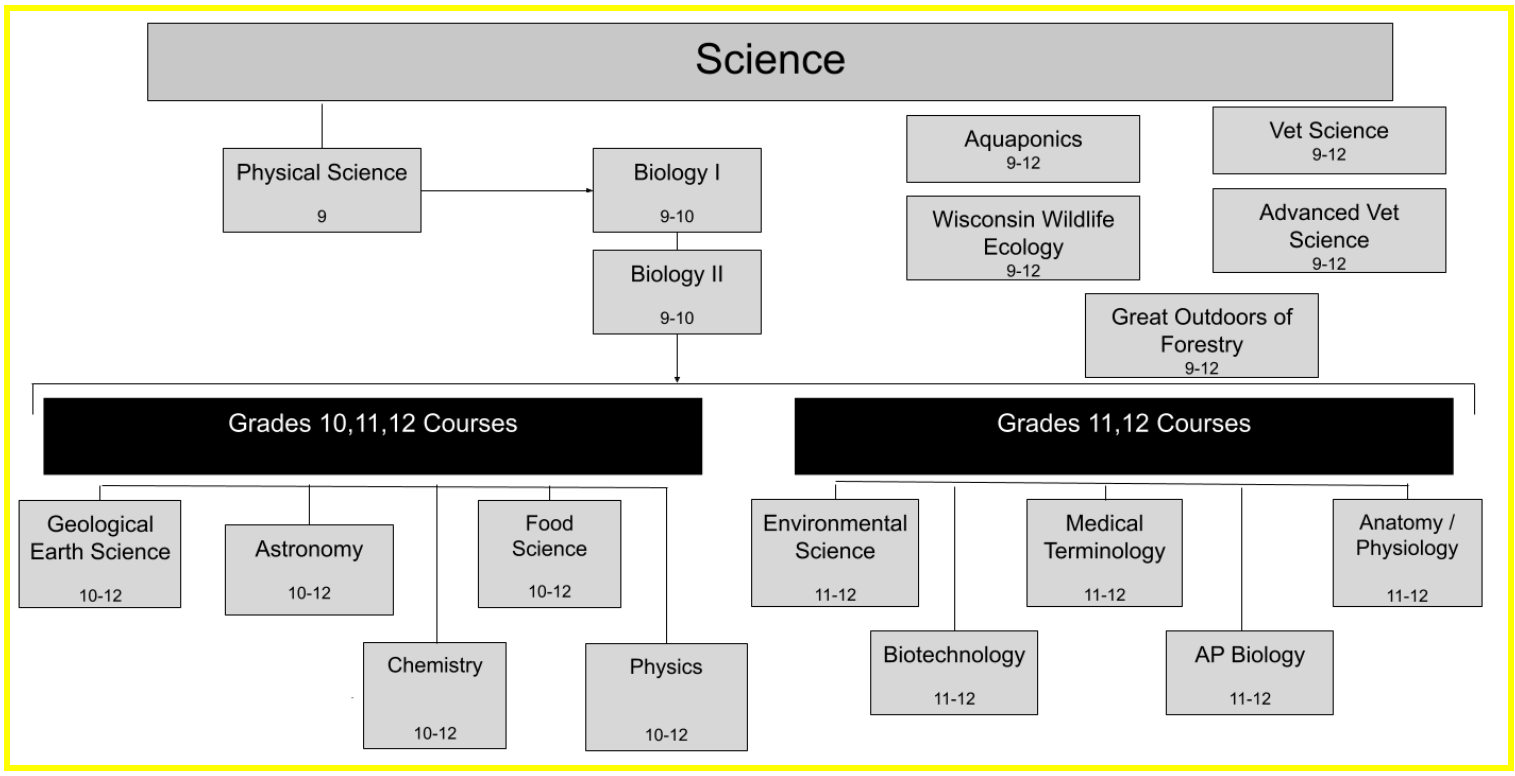
Biotechnology (#488) 1.0 credit **Grades 11-12** Laude

Completion of Biology I & II, and Chemistry 1 with at least a "C" average.

Course taught by MHS staff.

At its most basic level, this course in biotechnology will examine how living organisms and bioprocesses are used to develop technologies and products that have the potential to improve human lives and the health of the planet. This course will integrate scientific processes with reading, writing, and modern laboratory techniques including gel electrophoresis, PCR, and bacterial transformation. Students can expect to study a variety of topics from molecular genetics and biochemistry to bioethical issues. Biotechnology is one of the fastest growing industries in the nation and students will be introduced to potential career opportunities in the medical, agricultural, and industrial fields.

(*Optional dual credit course through Madison College – 2 UW transferrable credits.)*


Science
Physical Science
9
Biology I
9-10
Biology II
9-10
Aquaponics
9-12
Wisconsin Wildlife Ecology
9-12
Vet Science
9-12
Advanced Vet Science
9-12
Great Outdoors of Forestry
9-12
Grades 10,11,12 Courses
Grades 11,12 Courses
Geological Earth Science
10-12
Astronomy
10-12
Chemistry
10-12
Food Science
10-12
Physics
10-12
Environmental Science
11-12
Biotechnology
11-12
Medical Terminology
11-12
AP Biology
11-12
Anatomy / Physiology
11-12

SOCIAL STUDIES

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned	Post-secondary Credit	Fees
210	Social Science 9	9	Required Grade 9	1.0		
260	Modern U.S. History 10	10	Required Grade 10	1.0		
230	Civics 11	11	Required Grade 11 Passing State Civics Exam Required	1.0		
270	Contemporary Social Issues	9, 10	None	.5		
261	Global Geography	All	None	.5		
241	World Religions	10,11,12	None	.5		
240	Modern American War	10,11,12	None	.5		
233	World History I: Ancient Civilizations	11, 12	None	.5		
234	World History II: End of Roman Empire to the Renaissance	11, 12	None	.5		
264	Women's Studies	11, 12	None	.5		
236	Interpretive Historical Writing	11, 12	None	.5 Laude		
266	Introduction to Psychology	11, 12	None	.5		
267	Introduction to Sociology	11,12	None	.5		
278	AP Psychology **Taught by MHS Staff**	11,12	Intro to Psychology strongly recommended - **A.P. Rigor**	1.0 Laude	AP Exam	$94
233	AP Macroeconomics or Micro. **Taught in Virtual format**	11,12	Successful completion of Algebra 2 (Math 4) and Department or Counselor recommendation - **A.P. Rigor**	1.0 Laude	AP Exam	$94
276	AP Government & Politics **Taught by MHS Staff**	11,12	Department or Counselor recommendation - **A.P. Rigor**	1.0 Laude	AP Exam	$94
275	AP U.S. History **Taught by MHS Staff**	10,11,12	Department or Counselor recommendation - **A.P. Rigor**	1.0 Laude	AP Exam	$94
282	AP Human Geography **Taught by MHS Staff**	All	Department or Counselor recommendation - **A.P. Rigor**	1.0 Laude	AP Exam	$94

Social Science 9 (#210) 1 credit **REQUIRED - Grade 9**

This course is organized by units based on government, economics, psychology, sociology, and geography. Each unit allows the student opportunities to investigate different social sciences in collaboration with English 9. Several collaborative projects, essays, and discussions give the students tastes of all the social sciences offered at Mauston High School.

Modern U.S. History 10 (#260) 1.0 credit **REQUIRED - Grade 10**

This class deals with the major political, social, economic and technological developments in US history. The goals of this

course are to help students become citizens who are aware of the contributions, decisions and sacrifices of past individuals and groups to make our country what it is today. This course also seeks to develop persons who can use their knowledge to help shape American society in the future. Students will, therefore, further develop the skills they need to gather, evaluate and record information, make decisions, predict outcomes and solve problems.

We will cover the following units: 5 Themes of Modern America: Militarism, Imperialism, Nationalism, Totalitarianism, Social Responsibility; Postwar America (1945); 1950s Cold War; 1950s Cultural America; Civil Rights Movement; 1960s Cold War; 1960s/1970s Social Protest Movement; Post Vietnam America; Rise of Conservatism in the 1980s; Nearing the Millenium; 21st Century America; War on Terror

Civics 11 (Participating in Government) (#230) 1.0 credits **REQUIRED - Grade 11**

"Democracy" is not a spectator sport" – Civic responsibility demands active participation. This class will focus on the importance of good citizenship. The four levels of Government will also be explored. In this process, students will develop skills helpful in becoming effective and responsible citizens. Participation in all class activities will prepare students to actively promote and protect liberty and justice for all. This course will give students the skills necessary to pass the required Wisconsin State Civics Test requirement.

Contemporary Social Issues (#270) .5 credits **Grades 9-10**

This class will use news media and current periodicals to gain a better understanding of the events occurring in the United States and the world. We will look at problems critically and discuss possible solutions. Class participation and written critiques will be the main focus of the class, but tests, quizzes, and projects will be used to access one's knowledge.

Global Geography (#261) .5 credits **Grades 9-12**

Geography is destiny. This course will examine how cultures around the world have adapted to their ever changing environment. Get ready to go on a non-stop adventure of pure discovery of the people, places, and movements that shape the world we live in. Are you ready to look at your destiny?

World Religions (#241) .5 credits **Grades 10-12**

This course will introduce students to some of the major religious traditions of the world; Hindiusm, Buddhism, Shinto, Confucianism, Zen, Christianity, Islam, Judaism and many others. We will examine how different religious traditions help people to make sense of their lives and delve into their respective philosophies. To truly understand why people act, we must first understand what they believe. We will attempt to breakdown our perceived barriers through understanding.

Modern American War (#240) .5 credits **Grades 10-12**

In this course we will examine America's wars from the Spanish-American War (1898) to the War on Terror (present day). We will discuss the decisions that were made, the tactics that were used, and the men and women who fought and died for our great nation. We will look at war in all its glory and horror. In this course students will examine how the causes and effects of these wars have shaped America. We will not only talk about America's victories, but our tragedies and failures as well. Wars have always had a large impact upon history, and for the United States, wars have helped shape who we are today.

World History I:Ancient Civilizations (#233) .5 credits **Grade 11-12**

Imagine living in a society without recorded laws, with no alphabet or knowledge of writing and medical care that does not include surgery or anesthetic. These are just a few of the inventions gifted to us from people of the ancient world. In this course we will explore the magnificent civilizations of the past including the Egyptians, Greeks, and the Romans. We will use primary and secondary sources as well as research projects and simulations to explore these cultures. In this class, you will bring the past to life so you can better understand the present.

World History II: End of Roman Empire to Renaissance (#234) .5 credits **Grades 11-12**

This course will examine the important figures and events that have shaped the "modern" world (800-1648). We will talk about the Middle

Ages, the Crusades, the Renaissance and the Reformation. The focus will be on the rise of the Western Europe and the influences from the East that transformed western culture into what we see today. Buckle your seatbelts as we take a wild ride through the past. Are you ready for some history? Students do NOT need to complete #233 World History I prior to taking this course.

Women's Studies (#264) .5 credits **Grade 11-12**

Survey courses of history traditionally emphasize **"his story"** by highlighting political, economic, and military developments. Women are not a minority of the population, yet are often seen in this category with many contributions to social developments, the arts, religion, and reform and their role is often ignored or minimized. This course will attempt to highlight these contributions through time as well as examine problems and concerns of women past and present. Students should then have a well-rounded view of women's story throughout history.

Interpretive Historical Writing (#236) .5 credits **Grades 11-12** Laude

Students will learn about a period in United States History while researching and compiling a written, oral history through interviews with local residents. Students will choose a topic/theme that they are most interested in and will then pursue local history regarding that topic. Students will learn about the history of a certain time period through class instruction, selected readings, class discussion and individual research. The culminating project will be the publication of a class book of oral histories gathered from interviews with local residents. Students taking this class will be expected to conduct research and write proficiently. This course can be taken for social science credit.

Introduction to Psychology (#266) .5 credits **Grades 11-12**

Psychology is the science that deals with the behavior and thinking of humans. Introduction to psychology will allow the student to discover and question this science. We will analyze the fundamental aspects of human behavior and explore misconceptions we have about human behavior. The class will compare and contrast the many theories of personality. We will explore the role that learning plays in behavior. Each student will understand the concepts of senses and perception. Lastly, the class will evaluate how motivation and emotions both affect human behavior. Students will gain a better understanding of themselves, learn more about adjusting to life, and gain more knowledge of how to solve some of life's problems.

Introduction to Sociology (#267) .5 credits **Grades 11-12**

Sociology, the study of human relationships, concerns itself with the social rules and processes that connect and separate people not only as individuals, but as members of associations, groups, and institutions. Sociology is interested in our behavior as social beings; thus the sociological field of interest ranges from the investigation of short contacts between anonymous individuals on the street to the study of global social processes.

A.P. Psychology (#278) 1.0 credits **Grades 11-12** Laude AP

Introduction to Psychology is strongly recommended as a prerequisite.

Taught in Virtual format.

AP Psychology provides students the equivalency of an introductory psychology college course. This course is taught as it would be at the college level. The purpose of this course reflects the intent stated in the *AP Psychology Course Description**, "to introduce students to the systematic and scientific study of the behavior and mental process of human beings and other animals." Students should leave the course able to think critically and with the ability to use the scientific method to evaluate information. In addition, students should be prepared and feel confident in their ability to be successful on the AP Psychology Exam in May of the current school year. Finally and maybe most importantly, students will have fun learning about an amazing class, psychology.

*College Board, 2010 AP Psychology Course Description (New York: College Board, 2011), 3.

A.P. Macroeconomics and/or Microeconomics (#233) .5 credits **Grades 11-12** Laude

Successful completion of Algebra 2 (Math 4) and Department or Counselor Recommendation

Taught in Virtual format

AP® Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100 level college level class, this course prepares students for the AP exam and for further study in business, political science and history.

AP ®Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100 level college course, AP®Microeconomics prepares students for the AP®exam and for further study in business, history, and political science.

A.P. U. S. Government & Politics (#276) 1.0 credits **Grades 11-12** Laude

Course taught by MHS staff.

AP U.S. Govt. and Politics will study the key concepts and institutions of the political system and culture of the United States. They will read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project. Students should be prepared and feel confident in their ability to be successful on the AP U.S. Govt. and Politics exam in May of the current school year. ***This course can be used as a substitute for Civics 11.***

A.P. U.S. History (#275) 1.0 credit **Grades 10-12** Laude

Course taught by MHS staff.

Grade 10 students – obtain a course approval signature from your Grade 9 Academy Social Science 9 instructor.

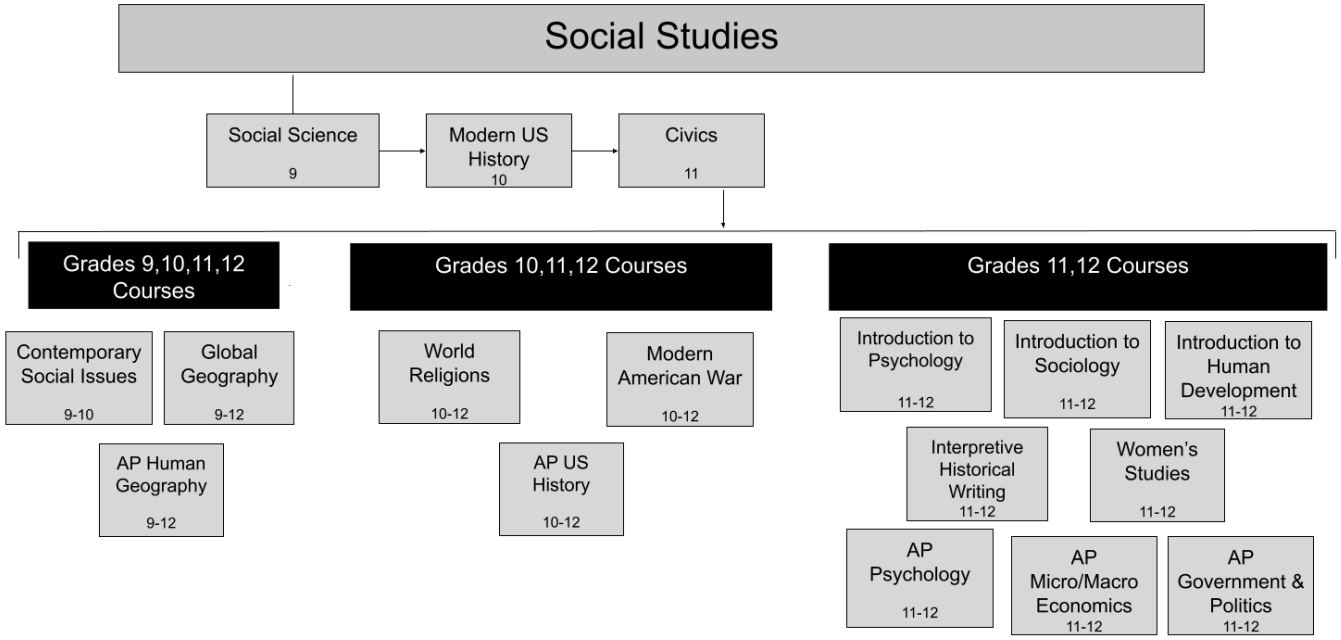
AP U.S. History will be taught at a college level to earn college credits by successfully taking the AP U.S. History exam in May of the current school year. The course will focus on the development of historical thinking skills and an understanding of content organized around seven themes: American and National Identity, Politics and Power, Technology, Culture and Society, Migration and Settlement, Geography and the Environment, and America in the World.

A.P. Human Geography (#282) 1.0 credit **Grades 9-12** Laude

Course taught by MHS staff.

Grade 9 and 10 students – obtain a course approval signature from your Grade 9 Academy Social Science 9 instructor.

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Students should be prepared and feel confident in their ability to be successful on the AP Human Geography Exam in May of the current school year.


Social Studies
Social Science
9
Modern US History
10
Civics
11
Grades 9,10,11,12 Courses
Contemporary Social Issues
9-10
Global Geography
9-12
AP Human Geography
9-12
Grades 10,11,12 Courses
World Religions
10-12
Modern American War
10-12
AP US History
10-12
Grades 11,12 Courses
Introduction to Psychology
11-12
Introduction to Sociology
11-12
Introduction to Human Development
11-12
Interpretive Historical Writing
11-12
Women's Studies
11-12
AP Psychology
11-12
AP Micro/Macro Economics
11-12
AP Government & Politics
11-12

WORLD LANGUAGES

Course #	Title	Grades	Pre-Requisites	MHS Credits Earned
521	Spanish I	All	None	1.0
522	Spanish II	All	Completion of Spanish I with a "C" or higher OR instructor approval	1.0
523	Spanish III	10, 11, 12	Completion of Spanish II with a "C" or higher OR instructor approval II	1.0 Laude
524	Spanish IV	11,12	Completion of Spanish III with a "C" or higher OR instructor approval	1.0 Laude
526	Spanish V	11,12	Completion of Spanish IV with a "C" or higher OR instructor approval	1.0 Laude

Spanish I (#521) 1.0 credit Grades 9-12

In Spanish Level 1, the students will be introduced to listening, speaking, reading and writing in Spanish. This will enable the student to have a basic understanding of Spanish. The student will also be able to perform in a manner that is comprehensible to a native speaker who is patient and used to dealing with non-native speakers. The student will develop these abilities through speaking and interacting in pairs, small groups, and as a whole class. Learning will be facilitated through presenting real-life situations and cultural activities that emphasize acquisition of Spanish vocabulary and grammar.

Spanish II (#522) 1.0 Credit Grades 9-12

Completion of Spanish Level I with a "C" or better or approval of Spanish Level 1 instructor.

At the completion of Spanish Level II, the student will achieve the reading, writing, listening, and speaking skills necessary to handle everyday survival situations in a Spanish-speaking country. The student will make strides in speaking the language by widening vocabulary usage and deepening discussion of everyday activities and interests. Students will move from the novice to intermediate levels of proficiency.

Spanish III (#523) 1.0 Credit Grades 10-12 Laude

Completion of Spanish Level II with a "C" or better and approval of the instructor.

By the completion of Spanish III, the student will be able to discuss events in the present, past, and future tenses as well as use the command forms. Interactive technology will be utilized to engage students. Students will be exposed to additional "outside of the classroom" experiences. The students will participate in many activities designed to improve oral fluency. The students will also take part in authentic Hispanic cultural activities. Spanish III reinforces intermediate levels of proficiency.

Spanish IV (#524) 1.0 Credit Grades 11-12 Laude

Completion of Spanish Level III with a "C" or better and approval of the instructor.

The fourth level of Spanish is for the Spanish student who wishes to continue to improve in the areas of communication of the Spanish language. At the completion of Spanish 4, the student will be able to express opinions in written and spoken Spanish. The Spanish 4 student will have mastered many different verb tenses in the Spanish language. Interactive technology will be combined with traditional instruction to give the students a solid foundation in the language. Through the study of Hispanic literature, the student will explore many facets of culture. The completion of this course will improve the student's ability to perform successfully on any Spanish university entrance exam.

Spanish V (#526) 1.0 Credit Grades 11-12 Laude

Completion of Spanish Level IV with a "C" or better and approval of the instructor.

This is a literature based class with a strong emphasis on reading, writing, and presentation. In Spanish 5, students will review, hone, and deepen their understanding of grammatical concepts, especially the various verb tenses and conjugations. Students will focus on improving their fluency in all areas of communication (reading, writing, listening, and speaking). The completion of this course will greatly improve a student's ability to perform successfully on any Spanish university entrance exam. Occasionally this course is only offered as Independent Study. In this case, much of the coursework will be completed independently and in small groups. Students must be able to work well independently.

Plan of Study

Agriculture, Food & Natural Resources

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Safety Practices, Teamwork, Technical Skills, Information Technology Applications

Career Paths: Food Products and Processing Systems, Plant Systems, Animal Systems, Power, Structural and Technical Systems, Natural Resources Systems, and Agribusiness Systems

9th Grade	10th Grade	11th Grade	12th Grade
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: FFA, FBLA, Link Crew, Science Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Intro to Ag Science (9-12) Earth Science (9-12) Great Outdoors of Forestry (9-12) Small Animal Care (9-12) Wildlife Ecology (9-12) Horticulture (9-12) Aquaponics (9-12) Landscaping (9-12) World Languages Culinary Tech I&II (9-12) AP Human Geography (9-12) Global Geography (9-12)	MS Office/ BCT Vet Science (10-12) Meat Tech (10-12) Foreign Language Pro-Start/Professional Cooking (10-12) Chemistry (10-12) Interpretive Historical Writing (11-12) Accounting I&II (10-12)	Advanced Vet Sci. (11-12) Foreign Language AP Biology Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Chemistry (11-12) Environmental Science* (11-12)	College Writing* Supervised Ag Exp. More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience, Youth Apprenticeship Agriculture, Food, & Natural Resources			

* Denotes Capp/Dual Credit option

Plan of Study

Architecture & Construction

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Design/Pre-Construction, Construction, Maintenance/Operation

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Art Club, Art Competitions: VAC and/or SCC, FFA, FBLA, Link Crew, Science Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Tech Systems (9-12) Materials Processing I&II (9-12) World Languages Machining 1 (9-12) Applied Welding (9-12) Fab Lab (9-12) MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) Exploring Computer Science (9-10)	3D Solid Modeling Fab Lab II (10-12) World History II (10-12) Accounting I&II (10-12)	Golden Eagle Enterprises (11-12) Construction Tech I Sociology (11-12) Psychology (11-12) AP Psych (11-12) Physics (11-12) EGR 105 - Engineering Fundamentals* (11-12)	College Writing* Construction Tech II More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Architecture & Construction			

* Denotes Capp/Dual Credit option

Plan of Study

Arts, A/V Technology & Communications

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Audio and Video Technology and Film, Printing Technology, Visual Arts, Performing Arts, Journalism and Broadcasting, Telecommunications

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Art Club, Art Competitions: VAC and/or SCC, MHS Community Musical, Educators Rising, Forensics, Gaming Club, Link Crew, Project Lit Book Club, Science Club, Spanish Club, Student Council, South Central Conference Writers, Yearbook			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Band (9-12) Choir (9-12) Art I (9-12) World Languages Fashion Design (9-12) Drawing (9-12) Painting I (9-12) Printmaking I Principles of Literacy (9-12 MS Office Suite Certification (9-12) Computer Graphics and Business (9-12)) Exploring Computer Science (9-10)	Art II (10-12) Intro to Musical Theater (10-12) Ceramics I (10-12) Ceramics II (10-12 Painting II (10-12) Printmaking II 3D Art (10-12) Graphic Design & Illustration (10-12) Photography (10-12) Digital Photography (10-12) Accounting I&II (10-12) AP Computer Science Principles (10-12) AP Computer Science A (10-12) Creative Writing (10-12) Mystery/Suspense (10-12) World Literature (10-12) Yearbook (10-12) Women's Studies (10-12) Modern American War (10-12)	British Literature (11-12) Rhetoric of Film (11-12) Shakespeare (11-12) AP Eng. Lang & Comp (11-12) AP Eng Lit (11-12) AP European History (11-12) College Reading Strategies* (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Art, A/V Technology & Communications			

* Denotes Capp/Dual Credit option

Plan of Study

Business, Management & Administration

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Safety Practices, Teamwork, Technical Skills, Information Technology Applications

Career Paths: Management, Business Financial Management and Accounting, Human Resources, Business Analysis, Marketing, and Administrative and Information Support.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, Educators Rising, FFA, FBLA, Key Club, Link Crew, National Honor Society, Spanish Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Sports & Entertainment in Business (9-12) Computer Graphics in Business (9-12) Exploring Computer Science (9-10) MS Office Suite Certification (9-12) World Languages Exploring Computer Science (9-10)	Accounting I&II (10-12) Business Law (10-12) Interpretive Historical Writing (11-12)	Personal Finance (11-12) Golden Eagle Enterprises Business Law Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Eng. Lang &Comp (11-12) AP Stats (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12) Calc & Analytical Geometry* (11-12) Differential Equations* (11-12)	College Writing* More Math in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Finance			

* Denotes Capp/Dual Credit option

Plan of Study

Education & Training

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Administration and Administrative Support, Professional Support Services, Teaching/Training

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, Art Club, Art Competitions: VAC and/or SCC, MHS Community Musical, Educators Rising, F.A.C.T, FFA, FBLA, Forensics, Gaming Club, Key Club, Link Crew, National Honor Society, Project Lit Book Club, Science Club, Spanish Club, Student Council, South Central Conference Writers, Yearbook			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Art 1 MS Office Suite Certification (9-12) Contemporary Social Issues (9-12) AP Human Geography (9-12) World Languages MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) Exploring Computer Science (9-10) If planning on teaching in middle or high school, take electives in your area of interest.	World Literature (10-12) Creative Writing (10-12) Interpretive Historical Writing (11-12) Women's Studies (11-12) Accounting I&II (10-12) Adventure Class (10-12) If planning on teaching in middle or high school, take electives in your area of interest.	Classroom Assistant 1 (11-12) Sociology (11-12) Psychology (11-12) AP Psych (11-12) Volunteer Program (11-12) Intro to Education* (11-12) If planning on teaching in middle or high school take your electives in your area of interest.	Teaching Practicum (12) College Writing* More Math in sequence More Science in sequence If planning on teaching in middle or high school take your electives in your area of interest.
Grade 11-12 Experiences: Supervised Work Experience, Teaching Practicum			

* Denotes Capp/Dual Credit option

Plan of Study

Finance

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Securities & Investments, Business Finance, Banking Services, Insurance.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, FFA, FBLA, Link Crew, Spanish Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages MS Office Suite Certification (9-12) MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) Exploring Computer Science (9-10)	Accounting I & II (10-12) Statistics & Probability (10-12) Business Law (10-12) AP Computer Science Principles (10-12) AP Computer Science A (10-12)	Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Stats (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12) Calc & Analytical Geometry* (11-12) Differential Equations* (11-12)	College Writing* More Math in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Finance			

* Denotes Capp/Dual Credit option

Plan of Study

Government & Public Administration

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Safety Practices, Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking, Safety, Health and Environmental, Leadership, Employability and Career Development, Fiscal Responsibilities

Career Paths: Governance, National Security, Foreign Service, Planning, Revenue and Taxation, Regulation, Public Management and Administration.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, FFA, FBLA, Key Club, Link Crew, National Honor Society, Spanish Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Spanish (9-12) MS Office Suite Certification (9-12) Global Geography (9-12) World Languages Contemporary Social Issues (9-12) AP Human Geography (9-12)	Business Law (10-12) AP US History (10-12) Interpretive Historical Writing (11-12) Women's Studies (11-12) Adventure Class (10-12) AP Computer Science Principles (10-12)	Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Eng. Lang & Comp (11-12) AP Government & Politics (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience			

* Denotes Capp/Dual Credit option

Plan of Study

Health Science

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Safety Practices, Teamwork, Technical skills, Information Technology Applications, Safety, Health Maintenance

Career Paths: Therapeutic Services, Diagnostics Services, Health Information, Support Services, Biotechnology Research and Development.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, F.A.C.T, Link Crew, National Honor Society, Science Club, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Culinary Tech I & II (9-12) World Languages MS Office Suite Certification (9-12) Exploring Computer Science (9-10)	Food Science (10-12) Chemistry (10-12) Physics (11-12) Women's Studies (11-12) Adventure Class (10-12) AP Computer Science Principles (10-12)	Anatomy & Physiology (11-12) AP Chemistry (11-12) AP Biology (11-12) Psychology (11-12) Sociology (11-12) AP Psych (11-12) Medical Terminology* (11-12) Certified Nursing Asst* (11-12) Math for Health Professionals (11-12)	College Writing* EMT Academy* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Health Science			

* Denotes Capp/Dual Credit option

Plan of Study

Hospitality & Tourism

Cluster Knowledge and Skills: Academic Foundation, Communications, Problem Solving and Critical Thinking, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications

Career Paths: Recreation, Amusement and Attractions; Restaurant and Food and Beverage Services; Lodging, Travel and Tourism

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: FFA, FBLA, Link Crew, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages Culinary Tech I & II (9-12) Foreign Foods & Culture (9-12) MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) AP Human Geography (9-12) Global Geography (9-12)	Accounting I & II (10-12) Pro-Start/Professional Cooking (10-12) Food Science (10-12) Sewing Techniques (10-12) World History II (10-12) World Religions (10-12) Interpretive Historical Writing (11-12) Adventure Class (10-12) Exploring Computer Science (9-10)	Psychology (11-12) Sociology (11-12) AP Psych (11-12) AP Stats (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Hospitality, Lodging, & Tourism			

* Denotes Capp/Dual Credit option

Plan of Study

Human Services

Cluster Knowledge and Skills: Academic Foundation, Problem Solving and Critical Thinking, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications

Career Paths: Early Childhood Development and Services, Counseling and Mental Health Services, Family and Community Services, Personal Care Services, Consumer Services.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Educators Rising, F.A.C.T, Key Club, Link Crew, Science Club, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages MS Office Suite Certification (9-12) Art I (9-12) Contemporary Social Issues (9-12)	Art II (10-12) World Religions (10-12) Interpretive Historical Research (11-12) AP Human Geography (10-12 Women's Studies (10-12))	Sociology (11-12) Psychology (11-12) AP Psych (11-12) Women's Studies (11-12) Anatomy & Physiology Volunteering (11-12) Certified Nursing Asst* (11-12)	EMT Academy* College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience			

* Denotes Capp/Dual Credit option

Plan of Study

Information Technology

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Safety, Health, and Environmental Practices, Leadership and Teamwork, Technical Skills, Information Technology Skills, Problem Solving and Thinking

Career Paths: Network Systems, Information Support Services, Programming and Software Development, and Interactive Media.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Gaming Club, Link Crew, Science Club, Spanish Club, Yearbook			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
MS Office Suite Certification (9-12) Computer Graphics in Business (9-12) Exploring Computer Science (9-10) AP Human Geography (9-12) World Languages	AP Computer Science Principles (10-12) AP Computer Science A (10-12)	Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Stats (11-12) Calc & Analytical Geometry* (11-12) Differential Equations* (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience, Youth Apprenticeship Information and Technology			

* Denotes Capp/Dual Credit option

Plan of Study

Law, Public Safety Corrections & Security

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Correction Services, Emergency and Fire Management Services, Security and Protective Services, Law Enforcement Services, Legal Services.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: F.A.C.T, FFA, Key Club, Link Crew, Science Club, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages MS Office Suite Certification (9-12) Wildlife Ecology (9-12) Forestry (9-12) Global Geography (9-12) Program (9-12) Contemporary Social Issues (9-10) Exploring Computer Science (9-10)	Women's Studies (11-12) Accounting I&II (10-12) Modern American War (10-12) Adventure Class (10-12) AP Computer Science Principles (10-12)	Business Law Sociology (11-12) Psychology (11-12) AP Psych (11-12) Anatomy & Physiology Environmental Science* (11-12) AP Physics (11-12) AP Biology (11-12) AP Eng. Lang & Comp (11-12) College Reading Strategies* (11-12)	College Writing* More Math in sequence More Science in sequence EMT Academy*
Grade 11-12 Experiences: Supervised Work Experience; Ride Along Program: First Responders			

* Denotes Capp/Dual Credit option

Plan of Study

Manufacturing

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability Skills, Legal Responsibilities, Ethics, Leadership and Teamwork, Technical Skills, Information Technology Applications, Safety, Health and Environmental, Problem Solving and Critical Thinking, Employability and Career Development Skills

Career Paths: Production; Manufacturing Production Process Development; Maintenance, Installation, and Repair; Quality Assurance; Logistics and Inventory Control; Health, Safety, and Environmental Assurance.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Art Club, Art Competitions: VAC and/or SCC, MHS Community Musical, FFA, FBLA, Gaming Club, Link Crew, Science Club, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Technology systems (9-10) Materials Processing I&II (9-12) Machining 1 (9-12) Applied Welding (9-12) Fab Lab I (9-12) MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) Exploring Computer Science (9-10) World Languages	3D Solid Modeling (10-12) Fab Lab II (10-12) Physics (10-12) AP Computer Science Principles (10-12) AP Computer Science A (10-12) Modern American War (10-12)	Golden Eagle Enterprises (11-12) Construction Tech I AP Calculus (11-12) AP Physics (11-12) AP Stats (11-12) AP Psych (11-12) EGR 105 - Engineering Fundamentals* (11-12) Introduction to Sociology (11-12)	College Writing* Construction Tech II More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience; Youth Apprenticeship Manufacturing			

* Denotes Capp/Dual Credit option

Plan of Study

Marketing, Sales & Service

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental Practices, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Management and Entrepreneurship; Professional Sales and Marketing; Buying and Merchandising; Marketing, Communications, and Promotion; Marketing Information Management and Research; Distribution and Logistics; E-Marketing.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: ACA DECA, Art Club, Art Competitions: VAC and/or SCC, MHS Community Musical, Educators Rising, F.A.C.T, FFA, FBLA, Link Crew, Spanish Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages Art I (9-12) MS Office Suite Certification (9-12) Drawing (9-12) Painting I (9-12) Photography (9-12) Sports & Entertainment in Business (9-12) Computer Graphics in Business (9-12) AP Human Geography (9-12)	Art II (10-12) Yearbook (10-12) Accounting I&II (10-12) Business Law (10-12) Interpretive Historical Writing (11-12) Exploring Computer Science (9-10)	Golden Eagle Enterprises (11-12) Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Eng. Lang & Comp (11-12) AP Stats (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience, Youth Apprenticeship Marketing			

* Denotes Capp/Dual Credit option

Plan of Study

Science, Technology, Engineering & Mathematics

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Skills, Legal Responsibilities, Ethics, Safety, Health, and Environmental Practices, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Engineering and Technology, Science and Math.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: Educators Rising, F.A.C.T, FFA, Gaming Club, Link Crew, Project Lit Book Club, Science Club, Spanish Club			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
Intro to Ag Science (9-12) Program (9-12) World Languages MS Office Suite Certification (9-12) Aquaponics (9-12) Global Geography (9-12) Accounting I&II (10-12) MS Office Suite Certification (9-12) Computer Graphics and Business (9-12) Exploring Computer Science (9-10) Earth Science (9-12)	Earth Science (9-12) Physics (11-12) Chemistry (10-12) AP Computer Science Principles (10-12) AP Computer Science A (10-12) Modern American War (10-12) Accounting I&II (10-12)	Biotechnology Applications (11-12) AP Statistics Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Physics (11-12) AP Chemistry (11-12) AP Calculus (11-12) AP Bio (11-12) EGR 105 - Engineering Fundamentals* (11-12) Environmental Science* (11-12) Environmental Science II* (11-12) Calc & Analytical Geometry* (11-12) Differential Equations* (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience,Youth Apprenticeship Science Technology, Engineering & Mathematics (STEM)			

* Denotes Capp/Dual Credit option

Plan of Study

Transportation, Distribution & Logistics

Cluster Knowledge and Skills: Academic Foundation, Communications, Systems, Employability and Career Development, Legal Responsibilities, Ethics, Safety, Health, and Environmental Practices, Leadership and Teamwork, Technical Skills, Information Technology Applications, Problem Solving and Critical Thinking

Career Paths: Transportation Operations; Logistics Planning and Management Services; Warehouse and Distribution Center Operations; Facility and Mobile Equipment Maintenance; Transportation Systems/ Infrastructure Planning Management and Regulations; Health, Safety and Environmental Management, Sales and Service.

9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Core Courses	**Core Courses**	**Core Courses**	**Core Courses**
English 9 Math 1, 2, or 3 Physical Science Social Science 9 Physical Education 9 Health	English 10 Math 2 or 3 Biology I & Biology II Modern US History Physical Education 10-12	English 11 Math 3, 4, or Alg. II, Trig/Pre-Calc Advanced Science Course Civics Personal Finance Physical Education 10-12	English Elective (1 credit) Advanced Math Elective (pending Math dept. recommendation) Advanced Science Course Advanced Social Studies Course Personal Finance Physical Education Elective
Extracurriculars: FFA, FBLA, Link Crew, Science Club, Spanish Club, Student Council			
Elective Courses	**Elective Courses**	**Elective Courses**	**Elective Courses**
World Languages Small Engines (9-12) MS Office Suite Certification (9-12) AP Human Geography (9-12) Global Geography (9-12) Exploring Computer Science (9-10) Geological Earth Science (9-12	Auto Tech (10-12) Accounting I&II (10-12) AP Computer Science Principles (10-12)	Golden Eagle Enterprises (11-12) Chemistry Sociology (11-12) Psychology (11-12) AP Psych (11-12) AP Physics (11-12) AP Chem (11-12) AP Calc (11-12) AP Microeconomics (11-12) AP Macroeconomics (11-12) EGR 105 - Engineering Fundamentals * (11-12) Environmental Science* (11-12) Environmental Science II* (11-12) Calc & Analytical Geometry* (11-12) Differential Equations* (11-12)	College Writing* More Math in sequence More Science in sequence
Grade 11-12 Experiences: Supervised Work Experience, Youth Apprenticeship Transportation Distribution & Logistics			

* Denotes Capp/Dual Credit option

Return this form to the correct office: OMS to Mrs. Stoughtenger and St. Pat's to Ms. Whitney

Student Name_____

Parent Signature_____
Required

Class of 2029
Mauston High School
9th Grade Registration
Form 2025-2026

Career Interest_____

Pathway Plan (circle all that apply): 4 year University 2 year Technical College Apprenticeship Military Workforce

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Course Selections:

*Credit total must be **EIGHT**
*Rank course selections based on your priorities
*Elective courses listed on back of form; it is recommended you take a course in all core subjects
*Refer to the transcript for any graduation requirements remaining
*Check prerequisites and course descriptions on our website

*Refer to Laude System brochure, as needed
*You must choose AT LEAST THREE Alternate Courses
*Our goal is to share copies of tentative Schedules later in summer. Schedules are not visible until the 25-26 Skyward online parent registration is completed.

Graduation Credits	
English	4 cr.
Social Studies	3 cr.
Science	3 cr.
Math	3 cr.
Health	.5 cr.
Phy. Ed.	1.5 cr.
Personal Fin.	.5 cr.
Electives	12.5 cr.
28 credits Total	

REQUIRED Gr 9 Courses:

English 9	1 Cr
Social Science 9	1 Cr
Physical Science	1 Cr
Math_____	1 Cr
(Leave blank - math level determined by math dept.)	
Physical Education 9	.5 Cr
Health & Wellness	.5 Cr

ELECTIVE Gr 9 Courses: rank selections by priority

Reminder Fine Arts: you must circle the course(s) you plan to participate in
->Band (1cr) -> Jazz(1cr)
->Choir(1cr) ->Acapella (audition required 1cr)

1._____ ____
2._____ ____
3._____ ____
4._____ ____
5._____ ____
6._____ ____
7._____ ____
8._____ ____

TOTAL CREDITS: should equal 8 cr ____cr

***5.0 cr REQUIRED + 3.5 cr ELECTIVE : 8.0 credits**

List 3 Alternate Course Choices

1._____ ____
2._____ ____
3._____ ____

MAUSTON HIGH SCHOOL GRADE 9 COURSE CHOICES

ENGLISH ELECTIVES

Grade 9 may select:

***Principles of Literacy** **0.5**

***British Literature** L **0.5**

**Students who receive A's or B's in English 9 may be considered to enroll in an advanced elective Sem. 2 with instructor approval.*

SOCIAL STUDIES ELECTIVES:

Grade 9 may select:

Contemporary Social Issues 0.5

Global Geography 0.5

SCIENCE ELECTIVES

Outdoors of Forestry T L 0.5
(Same year as Wildlife eco)

Wis.Wildlife Ecology T L 0.5
(Same year as Forestry)

Geological Earth Science 0.5

Grade 9 may also select:

Biology I** **0.5

Biology II** **0.5

**Students who receive A's or B's in Grade 8 Science may be considered to enroll in Biology 1 Sem. 2, after completing Physical Science – only for advanced Science students with instructor approval.*

FOREIGN LANGUAGE:

Spanish I 1.0

Spanish II 1.0

*Completion of Spanish I with a "C" or higher OR instructor approval

ART:

Art I 0.5

Fashion Design I 0.5

Drawing I 0.5

Painting 0.5

Printmaking I 0.5

Ceramics 1 0.5

**5 Art Classes other than yearbook for 1.0 Laude L*

FINE ARTS–MUSIC DEPARTMENT:

Symphonic Band *1.0

**7 semesters in a single performance group for 1.0 Laude* L

Jazz Ensemble (must be in Symphonic) **1.0

**4 semesters in Jazz for 1.0 Laude

Chamber Singers *1.0

**7 semesters in a single performance group Chambers and Concert Choir for 1.0 Laude* L

Concert Choir (only if never had choir before) *1.0

**7 semesters in a single performance group Chambers and Concert Choir for 1.0 Laude* L

Acappella Choir -Audition Only **1.0

**4 semesters in Acappella Choir for 1.0 Laude

AGRICULTURE

Intro to Agriculture Science 0.5

Great Outdoors of Forestry T L 0.5

Wisconsin Wildlife Ecology T L 0.5

Horticulture T L 0.5

Small Animal Care 0.5
(Alternating year course)

BUSINESS/MARKETING

Sports & Entertainment Mgmt. T L 0.5

Computer Applications-MS
Office Suite Certification T L 0.5

Computer Graphics in Business 0.5

IT/COMPUTER SCIENCE

Exploring Computer Science 0.5

TECHNOLOGY EDUCATION

Technology Systems 0.5

Materials Processing I 0.5

Materials Processing II (after I) 0.5

Machining I 0.5

Applied Welding T L 0.5

Fabrication Lab I 0.5

Small Engines 0.5

FAMILY & CONSUMER SCIENCE

Culinary Techniques I T L 0.5

Foreign Foods & Cultures 0.5

Sewing Techniques I 0.5

This course has a Culinary Tech I Pre-requisite:

Culinary Techniques II 0.5

MATHEMATICS

Grade 9 math placement will be determined by the current math instructor and review of various math assessment scores.

Math 1 1.0

Math 2 1.0

Math 3 1.0

Math 4 1.0

PHYSICAL EDUCATION 9 REQUIRED 0.5

HEALTH & WELLNESS REQUIRED 0.5

LEGEND:

L = Laude Course

T = Transcripted Course with Western Technical College or Mid-State

AP = Advanced Placement

Return this form to the College and Career Center by Thursday, February 13, 2025

Student Name_____

Parent Signature_____

Required

Class of 2028
Mauston High School
10th Grade Registration
Form 2025-2026

Career Interest_____

Pathway Plan (circle all that apply): 4 year University 2 year Technical College Apprenticeship Military Workforce

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Course Selections:

*Credit total must be **EIGHT**

*Rank course selections based on your priorities

*Elective courses listed on back of form; it is recommended you take a course in all core subjects

*Refer to transcript for any graduation requirements remaining

*Refer to Laude System brochure

*Check prerequisites and course descriptions on our website

*You must choose TWO Alternate Courses

*It is our hope to share copies of tentative schedules in summer

Graduation Credits	
English	4 cr.
Social Studies	3 cr.
Science	3 cr.
Math	3 cr.
Health	.5 cr.
Phy. Ed.	1.5 cr.
Personal Fin.	.5 cr.
Electives	12.5 cr.
28 credits Total	

Required Gr 10 Courses = 4.5 cr :

English 10 1 Cr

Circle: Modern U.S. History OR
AP U.S. History 1 Cr

Instructor Approval:_____

Biology I/Biology II 1 Cr

Physical Education 10-12 .5 Cr

Math_____ 1 Cr

(Leave blank - next level determined by math dept.)

Elective Gr 10 Courses: rank by priority

Reminder Fine Arts: you must circle the course(s) you plan to participate in

->Band (1cr) -> Jazz(1cr)

->Choir(1cr) ->Acapella (audition required 1cr)

1._____ _____

2._____ _____

3._____ _____

4._____ _____

5._____ _____

6._____ _____

7._____ _____

8._____ _____

TOTAL CREDITS: should equal 8 cr _____**cr**

***4.5 cr REQUIRED + 3.5 cr ELECTIVE : 8.0 credits**

List 4 Alternate Course Choices:

_____ _____

_____ _____

_____ _____

MAUSTON HIGH SCHOOL GRADE 10 COURSE CHOICES

ENGLISH ELECTIVES:

Principles of Literacy 0.5
Mystery/Suspense 0.5
British Literature L 0.5
Creative Writing 0.5

MATHEMATICS:

Next level -placed by dept.

SOCIAL STUDIES ELECTIVES:

Contemporary Social Issues 0.5
Global Geography 0.5
World Religions 0.5
Modern American War 0.5
*Advanced Placement (AP) Human Geography L 1.0
**College level rigor, with instructor approval.*

SCIENCE

Biology REQUIRED 0.5
AND
REQUIRED
Biology II 0.5
*prerequisites for some Science electives, verify in the course guide.
Grade 10 may also select:
Geological Earth Science 0.5
Astronomy 0.5
Chemistry 1.0
Veterinary Science TL 0.5
Outdoors of Forestry TL 0.5
(Same year as Wildlife eco)
Wis.Wildlife Ecology TL 0.5
(Same year as Forestry)
Food Science 1.0

FOREIGN LANGUAGE:

Spanish I 1.0
Spanish II 1.0
Spanish III L 1.0

ART:

Art I 0.5
Fashion Design I 0.5
Drawing I 0.5
Painting I 0.5
Printmaking I 0.5
Photography 0.5
Ceramics I or II 0.5
Painting II or III 0.5
Printmaking II 0.5
Art II 0.5
Drawing II
Sculpture & 3D Design 0.5
Fashion Design II 0.5
Graphic Design & Illust. 0.5
Digital Photography (After Photography) 0.5
Yearbook Production 1.0
**Instructor approval required, full year for 1.0 Laude L*
**5 Art Classes other than yearbook for 1.0 Laude L*

PHYED ELECTIVES:

Adventure Class 0.5
Strength & Conditioning 0.5

MUSIC DEPARTMENT:

Symphonic Band 1.0
Jazz Ensemble (must be in Conc) 1.0
Concert Choir 1.0
A capella Choir 1.0
(audition only)
**7 semesters in a single performance group for 1.0 Laude L*

BUSINESS/MARKETING

Sports/Enter Mgmt. TL 0.5
Accounting I TL 1.0
Business Law 0.5
Comp. Apps-MS Office TL 0.5
Comp. Graphics in Business 0.5

IT/COMPUTER SCIENCE

Exploring Computer Sci 0.5
*A.P. Comp Sc Princ. 1.0 L

AGRICULTURE

Intro to Agri Science 0.5
Small Animal Care 0.5
Veterinary Science T L 0.5
Meat Technology 0.5
Outdoors of Forestry T L 0.5
(Same year as Wildlife eco)
Wis.Wildlife Ecology T L 0.5
(Same year as Forestry) 0.5
Horticulture T L 0.5

TECHNOLOGY EDUCATION

Technology Systems 0.5
Materials Processing I 0.5
Materials Processing II 0.5
Machining I 0.5
Applied Welding TL 0.5
Advanced Welding TL 0.5
Fabrication Lab I 0.5
Small Engines 0.5
Auto Tech (after Small Eng) TL 0.5
3D Solid Modeling 0.5
Fabrication Lab II 0.5

FAMILY & CONSUMER SCIENCE

Culinary Techniques I TL 0.5
Culinary Techniques II 0.5
Foreign Foods & Cultures 0.5
Pro-Start /Professional Cook TL 0.5
Food Science (after Biology I & II) 1.0
Sewing Techniques I 0.5
Sewing Techniques II 0.5

LEGEND:
L = Laude Course
T = Transcripted Course with Western Technical College or Mid State Technical College
AP = Advanced Placement

Return this form to the College and Career Center by Thursday, February 13, 2025

Student Name_____

Parent Signature_____

Required

Class of 2027
Mauston High School
11th Grade Registration
Form 2025-2026

Career Interest_____

Pathway Plan (circle all that apply): 4 year University 2 year Technical College Apprenticeship Military Workforce

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Course Selections:

*Credit total must be **EIGHT**

*Rank course selections based on your priorities

*Elective courses listed on back of form; it is recommended you take a course in all core subjects

*Refer to the transcript for any graduation requirements remaining

*Refer to Laude System brochure, as needed

*Check prerequisites and course descriptions on our website

*You must list FOUR Alternate Courses

*_Our goal is to share copies of tentative schedules in later summer. Schedules are not visible until the 25-26 Skyward online parent registration is completed._

Graduation Credits	
English	4 cr.
Social Studies	3 cr.
Science	3 cr.
Math	3 cr.
Health	.5 cr.
Phy. Ed.	1.5 cr.
Personal Fin.	.5 cr.
Electives	12.5 cr.
28 credits Total	

REQUIRED Gr 11 Courses = 4.5 credits:

Circle: English 11 **OR** AP Lit & Comp online 1 Cr

Circle: Civics 11 **OR** AP Gov/Politics 1 Cr

Circle one: Physical Education 10-12 OR Adventure Class, Strength & Conditioning, Adv. Strength & Conditioning .5 Cr

Juniors should list at least one Math & one Science course to fulfill 4 year and technical school requirements.

Math_____ 1 Cr

Science_____ 1 Cr

ELECTIVE Gr 11 Courses = 3 cr: list by priority

Reminder Fine Arts: you must circle the course(s) you plan to participate in

->Band (1cr) -> Jazz(1cr)

->Choir(1cr) ->Acapella (audition required 1cr)

1._____ _____

2._____ _____

3._____ _____

5._____ _____

6._____ _____

7._____ _____

8._____ _____

TOTAL CREDITS: should equal 8 cr ____cr

***4.5 cr REQUIRED + 3.5 cr ELECTIVE: 8.0 credits**

LIST 4 Alternate Course Choices

_____ _____

_____ _____

_____ _____

_____ _____

MAUSTON HIGH SCHOOL
GRADE 11
COURSE CHOICES

ENGLISH ELECTIVES:

Mystery/Suspense		0.5
British Literature	L	0.5
Creative Writing		0.5
Rhetoric of Film		0.5
Shakespeare	L	0.5
College Reading Strate.	D L	0.5
College Writing-CAPP	D L	0.5
AP Lit & Comp (virtual)	L	1.0

SOCIAL STUDIES ELECTIVES:

Global Geography		0.5
World Religions		0.5
Modern American War		0.5
World Hist. I: Ancient Civ.		0.5
World History II:Roman Empire- Renaissance		0.5
Women's Studies		0.5
Interpretive Historical Wr.	L	0.5
Intro. to Psychology		0.5
Intro. to Sociology		0.5
A.P. Psychology	L	1.0
A.P. Macro Econ (virtual)	L	1.0
A.P. Micro Econ (virtual)	L	1.0
A.P. Govt & Politics	L	1.0
A.P. U.S. History	L	1.0
A.P. Human Geog.	L	1.0

SCIENCE:

Geological Earth Science		0.5
Astronomy		0.5
Chemistry		1.0
Veterinary Science	T L	0.5
Outdoors of Forestry (Same year as Wildlife eco)	T L	0.5
Wis.Wildlife Ecology (Same year as Forestry)	T L	0.5
Aquaponics		0.5
Food Science		1.0
Envir. Science I	D L	1.0
Envir. Science II	L	1.0
Medical Term.	D L	0.5
Anatomy/ Physiology I	L	0.5
Anatomy/Physiology II	L	0.5
Science Research		0.5
Physics (virtual)	L	1.0
AP Biology	L	1.0
Biotechnology (after Chem)	T L	1.0

MATHEMATICS

Math 3		1.0
College Prep Algebra		0.5
Math 4		1.0
Consumer Math		1.0
Math for Trade Fields		0.5
Statistics & Probability	L	0.5
Trigonometry	L	0.5
Pre-Calculus	L	0.5
Math for Health Prof.	D L	0.5
AP Stats & Probability	L	1.0
AP Calculus AB	L	1.0
AP Calculus BC	L	1.0
Calc. & Analytic Geometry I/II/III	D L	1.0
Differ. Equations	D L	1.0

WORLD LANGUAGES:

Spanish Level I, II		1.0
Spanish III, IV, V	L	1.0

ART:

Art I		0.5
Fashion Design I		0.5
Drawing I		0.5
Painting I		0.5
Printmaking I		0.5
Photography		0.5
Ceramics I or II		0.5
Painting II or III		0.5
Printmaking II		0.5
Art II		0.5
Drawing II or III		0.5
Sculpture & 3D Design		0.5
Fashion Design II		0.5
Graphic Design & Illust.		0.5
Digital Photography (After Photography) I, II		0.5

*Yearbook Publication 1.0
Instructor approval required, full year for 1.0 Laude L
**5 Art Classes other than yearbook for 1.0 Laude* L

FINE ARTS: MUSIC DEPARTMENT:

*Symphonic Band		1.0
*Jazz Ensemble (must be in Conc)		1.0
*Chamber Singers		1.0
*Concert Choir (only if never had choir before)		1.0
*A cappella Choir (Audition only)		1.0

**7 semesters in single performance group for 1.0 Laude* L

IT/COMPUTER SCIENCE:

AP Comp Sci Principles	L	1.0
AP Comp Sci A/B	L	1.0

BUSINESS/MARKETING:

Personal Finance	T L	0.5
Sports/Enter Mgmt.	T L	0.5
Accounting I, II	L	1.0
Business Law		0.5
Computer Apps-MS Office Suite Certification	T L	0.5
Computer Graphics in Business		0.5

AGRICULTURE:

Intro to Ag Science		0.5
Small Animal Care		0.5
Veterinary Science	T L	0.5
Adv. Veterinary Science		0.5
Meat Technology		0.5
Outdoors of Forestry (Same year as Wildlife eco)	T L	0.5
Wis.Wildlife Ecology (Same year as Forestry)	T L	0.5
Horticulture	T L	0.5

TECHNOLOGY EDUCATION:

Materials Process I		0.5
Materials Processing II		0.5
Machining I		0.5
Applied Welding	T L	0.5
Advanced Welding	TL	0.5
Fabrication Lab I		0.5
Small Engines		0.5
Auto Technology (after Small Engines)	T L	0.5
3D Solid Modeling		0.5
Fabrication Lab II		0.5
Golden Eagle Enterprises		2.0
Super Mileage Car (instructor Perm. Required)	L	0.5
Const. Tech I (Tiny House) (Pre-Req Material Proc I & instructor Perm. Required)		1.0
UW College-Engineering Fundamentals (Prereq: B in Math 4)	D L	0.5

FAMILY & CONSUMER SCIENCE:

Sewing Techniques I		0.5
Sewing Techniques II		0.5
Culinary Techniques I	T L	0.5
Culinary Techniques II		0.5
Foreign Foods		0.5
Pro-Start/Prof Cooking	TL	0.5
Food Science		1.0

EDUCATION & TRAINING:

Child Development	T L	0.5
Level I Classroom Asst.		0.5

HEALTH SCIENCES:

Medical Term.	D L	0.5
Skilled Nursing Asst	D L	1.0

PHYSICAL EDUCATION:

Physical Education 10-12		0.5
Adventure Class		0.5
Strength & Conditioning		0.5
Adv. Strength & Cond.		0.5
WIAA Referee Certification (instructor Perm. Required & Not P.E. credit)		0.5

NWECS:

Pathway specific college-level courses - see your counselor with questions and Admin approval.
**based on availability*
Past offerings include:

Principles of IT Security	L	0.5
Math for Health Prof.	D L	0.5
Intro to Criminal Justice	D L	0.5
Private Investigation	D L	0.5
Calc. & Analytic Geometry I/II/III	D L	1.0
Differ. Equations	D L	1.0

Legend:
L = Laude Course
T = Transcripted Course with Western Technical College or Midstate Tech or Madison College (refer to course booklet)
AP = Advanced Placement, Rigorous
D = Dual Credit Option and/or CAPP or PIE, Rigorous

Return this form to the College and Career Center by Thursday, February 13, 2025

Student Name_____

Parent Signature_____

Required

Class of 2026
Mauston High School
12th Grade Registration Form
2025-2026

Career Interest_____

Pathway Plan (circle all that apply): 4 year University 2 year Technical College Apprenticeship Military Workforce

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Course Selections:

*Credit total must be **EIGHT**
*Rank course selections based on your priorities
*Elective courses listed on back of form; it is recommended you take a course in all core subjects
*Refer to transcript for any graduation requirements remaining

*Refer to Laude System brochure, as needed
*Check prerequisites and course descriptions on our website
*You must choose AT LEAST FOUR Alternate Courses
*_Our goal is to share copies of tentative schedules in later summer. Schedules are not visible until the 25-26 Skyward online parent registration is completed._

Graduation Credits	
English	4 cr.
Social Studies	3 cr.
Science	3 cr.
Math	3 cr.
Health	.5 cr.
Phy. Ed.	1.5 cr.
Personal Fin.	.5 cr.
Electives	12.5 cr.
28 credits Total	

REQUIRED Gr 12 Courses:

_____ .5 Cr
(English)

_____ .5 Cr
(English)

_____ _____
(Math- Seek Math Instructor Recommendation and Career Pathway)
*The administration wants to see students in elective math options in Gr 12.

ELECTIVE Gr 12 Courses: rank by priority

Reminder Fine Arts: you must circle the course(s) you plan to participate in
->Band (1cr) -> Jazz(1cr)
->Choir(1cr) ->Acapella (audition required, 1cr)

1._____ _____
2._____ _____
3._____ _____
4._____ _____
5._____ _____
6._____ _____
7._____ _____
8._____ _____
9._____ _____
10._____ _____

TOTAL CREDITS: should equal 8 cr ___cr
***4.5 cr REQUIRED + 3.5 cr ELECTIVE: 8.0 cr**

Four Alternate Course Choices

_____ _____
_____ _____
_____ _____
_____ _____

MAUSTON HIGH SCHOOL
GRADE 12
COURSE CHOICES

ENGLISH ELECTIVES:
Mystery/Suspense 0.5
World Literature L 0.5
Creative Writing 0.5
Rhetoric of Film 0.5
Shakespeare L 0.5
College Reading Strat D L 0.5
College Writing-CAPP D L0.5
AP Lit & Comp (virtual) L 1.0

SOCIAL STUDIES ELECTIVES:
Global Geography 0.5
World Religions 0.5
Modern American War 0.5
World Hist. I:Ancient Civ. 0.5
World History II:Roman Empire- Renaissance 0.5
Women's Studies 0.5
Interpretive Historical Wr. L 0.5
Intro. to Psychology 0.5
Intro. to Sociology 0.5
A.P. Psychology L 1.0
A.P. Macro/Micro Econ L (virtual) 1.0
A.P. Govt & Politics L 1.0
A.P. U.S. History L 1.0
A.P. Human Geog. L 1.0

SCIENCE:
Geological Earth Science 0.5
Astronomy 0.5
Chemistry 1.0
Veterinary Science T L 0.5
Outdoors of Forestry T L 0.5
(Same year as Wildlife eco)
Wis.Wildlife Ecology T L 0.5
(Same year as Forestry)
Food Science 1.0
Envir. Science I D L 1.0
Envir. Science II L 1.0
Medical Term. D L 0.5
Anatomy/ Physiology I L 0.5
Anatomy/Physiology II L 0.5
Science Research 0.5
Physics (virtual) L 1.0
AP Biology L 1.0
Biotechnology (after Chem) T L 1.0

MATHEMATICS
Math 3 1.0
College Prep Algebra 0.5
Math 4 1.0
Consumer Math 1.0
Math for Trade Fields 0.5
Statistics & Probability L 0.5
Trigonometry L 0.5
Pre-Calculus L 0.5
Math for Health Prof. DL 0.5
AP Stats & Probability L 1.0
AP Calculus AB L 1.0
AP Calculus BC L 1.0
Calc. & Analytic Geometry I/II/III D L 1.0
Differ. Equations D L 1.0

WORLD LANGUAGES:
Spanish Level I, II 1.0
Spanish III, IV, V L 1.0

ART:
Art I 0.5
Fashion Design I 0.5
Drawing I 0.5
Painting I 0.5
Printmaking I 0.5
Photography 0.5
Ceramics I or II 0.5
Painting II or III 0.5
Printmaking II 0.5
Art II 0.5
Drawing II or III 0.5
Sculpture & 3D Design 0.5
Fashion Design II 0.5
Graphic Design & Illust. 0.5
Digital Photography (After Photography) I, II 0.5
Yearbook Publication 1.0
**Instructor approval required, full year for 1.0 Laude L*
**5 Art Classes other than yearbook for 1.0 Laude L*

MUSIC DEPARTMENT:
*Symphonic Band 1.0
*Jazz Ensemble (must be in Conc)1.0
*Chamber Singers 1.0
*Concert Choir (only if never had choir before) 1.0
*A cappella Choir (Audition only) 1.0
**7 semesters in single performance group for 1.0 Laude L*

IT/COMPUTER SCIENCE:
AP Comp Sci Principles L 1.0
AP Comp Sci A/B L 1.0

BUSINESS/MARKETING:
Personal Finance T L 0.5
Sports/Enter Mgmt. T L 0.5
Accounting I, II L 1.0
Business Law 0.5
Computer Apps-MS Office Suite Certification T L 0.5
Computer Graphics in Business 0.5

AGRICULTURE:
Intro to Ag Science 0.5
Small Animal Care 0.5
Veterinary Science T L 0.5
Adv. Veterinary Science 0.5
Meat Technology 0.5
Outdoors of Forestry T L 0.5
(Same year as Wildlife eco)
Wis.Wildlife Ecology T L 0.5
(Same year as Forestry)
Horticulture T L 0.5

TECHNOLOGY EDUCATION:
Materials Process I 0.5
Materials Processing II 0.5
Machining I 0.5
Applied Welding T L 0.5
Advanced Welding T L 0.5
Fabrication Lab I 0.5
Small Engines 0.5
Auto Tech (after Small Engines) T L 0.5
3D Solid Modeling 0.5
Fabrication Lab II 0.5
Golden Eagle Enterprises 2.0
Super Mileage Car L 0.5
(instructor Perm. Required)
Const. Tech I (Tiny House) (Pre-Req Material Proc I & instructor Perm. Required) 1.0
UW College-Engineering Fundamentals D L 0.5
(Prereq: B in Math 4)

FAMILY & CONSUMER SCIENCE:
Sewing Techniques I 0.5
Sewing Techniques II 0.5
Culinary Techniques I T L 0.5
Culinary Techniques II 0.5
Foreign Foods 0.5
Pro-Start/Prof Cooking TL 0.5
Food Science 1.0

EDUCATION & TRAINING:
Child Development T L 0.5
Level I Classroom Asst. 0.5

HEALTH SCIENCES:
Medical Term. D L 0.5
Skilled Nursing Asst D L 1.0

PHYSICAL EDUCATION:
Physical Education 10-12 0.5

PHYSICAL EDUCATION:
Strength & Conditioning 0.5
Adv. Strength & Cond. 0.5
WIAA Referee Certification (instructor Perm. Required & Not P.E. credit) 0.5

WESTERN TECH ACADEMIES:
All Laude (L) and Dual Credit (D) coursework
College Transfer Academy (Mauston)
Healthcare & Pre-Nursing Academy (Mauston)
Education Academy (Mauston)
Ag Business Academy (Tomah)
Fire Fighter (Onalaska)
IT Academy (TBA)
*application process and additional admission requirements and admin approval

NWECS:
Pathway specific college-level courses - see your counselor with questions. Admin approval.
Past offerings include:
Principles of IT Security L0.5
Math for Health Prof. D L0 .5
Intro to Criminal Justice D L 0.5
Private Investigation Tactics D L 0.5
Calc. & Analytic Geometry I/II/III D L 1.0
Differ. Equations D L 1.0
Intro to Psychology D L 1.0

Legend:
L = Laude Course
T = Transcripted Course with Western Technical College or Midstate Tech or Madison College (refer to course booklet)
AP = Advanced Placement, Rigorous
D = Dual Credit Option and/or CAPP or PIE, Rigorous

Early Release Requests: Packets are available upon request from the School Counselor. If a student is entering the military early this is required for early release. Completed packets with all criteria met are due by October 1st.

The end.