

2021-2022

COURSE CATALOG

MARSHFIELD HIGH SCHOOL

NON-DISCRIMINATION POLICY

The Board of Education is committed to providing an equal educational opportunity for all students in the District.

The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex (including transgender status, change of sex or gender identity), or physical, mental, emotional, or learning disability ("Protected Classes") in any of its student program and activities.

The Board designates individuals to serve as the District's "Compliance Officers". If you have any further questions, please contact: Tracy Kelz, Director of Student Services, 715-387-1101, kelz@marshfieldschools.org.

For more information, please review [Board of Education Policy 2260 found on the district website](#).

PHILOSOPHY

Marshfield High School is a comprehensive public secondary school guided by the professional learning community premise of scholarship for all students. We recognize all students as individuals with different educational and social needs and we respond to those needs through robust curricular offerings that are both rigorous and innovative. Emphasis is placed on the learning standards of critical reading, critical writing, mathematical literacy, and analytical thinking. We believe these skills, in combination with the traditional content and cultural knowledge necessary to be citizen, prepare our students to take their place in adult society.

MATERIALS USE FEE/REGISTRATION FEE

All students are required to register at the High School office sometime during registration week in August.

Any new student enrolling in the School District of Marshfield will be charged a one-time \$20.00 registration fee. Students previously enrolled and re-enrolling will not be required to pay the fee a second time. The \$35 materials use fee should be paid at this time.

If the student transfers, or leaves school for any reason, the following refund policy shall apply:

1. Withdrawal during the first month - 70%
2. Withdrawal from the second to the fourth month - 50%
3. Withdrawal after four months – none

If the student enrolls after the school year has begun, the following refund policy shall apply:

Students entering on or before January 31st will pay the full materials use fee. Students entering on or after February 1st will pay 50% of the materials use fee.

Student's individual programs, together with other essential information, will be issued during registration.

GENERAL INFORMATION

Marshfield High School operates on a nine-period day. Classes are 43 minutes in length with an additional five minutes added to periods 2 and 9 to facilitate announcements. Five minutes of passing time are allowed between periods. There are four different lunch periods of 30 minutes. Bells sound to start and end each period.

STUDENT DAILY ATTENDANCE

As a result of current state legislation, no student is excused from school before afternoon dismissal for any reason other than to participate in school functions or activities deemed acceptable by the Marshfield Board of Education.

ACADEMIC INTEGRITY POLICY

The School District of Marshfield values academic integrity very highly and does not permit any form of dishonesty or deception that unfairly, improperly, or illegally enhances a grade on an individual assignment or in a course. The following is a list of behaviors that constitute academic dishonesty. Academic dishonesty includes, but is not limited to:

Cheating on Assessments

1. Copying from others (i.e., passing off someone else's as your own personal work).
2. Having or using notes, formulas, or other information without the approval of the teacher.
3. Having or using a communication device such as a cell phone to send or obtain unauthorized information.
4. Taking an exam for another student or permitting someone else to take a test for you.
5. Providing or receiving information about all or part of a test, quiz, or exam, including answers.
6. Gaining or providing unauthorized access to examination materials.

Note: Simply having possession during an exam of any prohibited or unauthorized information or device, whether or not it is actually used, is an act of academic dishonesty and will be treated as cheating.

Plagiarism in Papers and Assignments

1. Giving or getting improper help on an assignment meant to be your own work.
2. Including the following:
 - a. Using the services of a commercial term paper company.
 - b. Using the services of another student.
 - c. Copying part or all of another person's paper and submitting it as your own.
3. Handing in a paper in more than one course without consulting both teachers (self-plagiarism).
4. Making up data for an experiment ("fudging data").
5. Citing nonexistent sources (articles, books, etc.) or sources that were not actually used to complete the assignment.

Misuse of Computers

1. Copying bits and pieces from a variety of Internet sources and representing this as your own work.
2. Misrepresenting your academic accomplishments, such as tampering with computer records.
3. Purposely circumventing Internet blocks to access forbidden sites or write or read forbidden communications.

Other

1. Violating copyright.
2. Deceiving a teacher to get special consideration.
3. Failing to promptly stop work on an exam when the time allocated has elapsed.
4. Forging a signature.
5. Hoarding or damaging library materials.

Note: Attempted academic dishonesty, even if unsuccessful, will be treated as academic dishonesty.

Consequences

The consequences for academic dishonesty will be based on the severity and frequency of the violation. Consequences for lesser violations will be handled by the teacher and may range from having to redo and resubmit documents to total loss of credit for the test, paper, or project. In repeat cases, or when it is clear that the dishonesty was premeditated and severe, the teacher will consult with a principal to determine the appropriate consequences. In every case, administrators and parents will be notified and the case documented.

GRADING POLICY

Formative assessments monitor student learning to provide ongoing feedback that can be used by instructors to improve their teaching and students to improve their learning.

Summative assessments evaluate student learning at the end of an instructional unit by comparing it against a standard or benchmark.

1. A minimum of two formative assessments must be given and scored with students earning over 70% before the student may take the summative.
2. **Rationale:** In order for a student to take a summative assessment a teacher must have reasonable confidence that a student has understanding of the material being assessed.
3. Students who are absent (excused), have **five days to take the summative exam or turn in a summative project they missed due to their absence.**
4. On the 5th day the student may be given up to 70% for taking it late and may be given an alternate assessment for taking it late as well. They have also forfeited their retake possibility if all 5 days are used. If the test is not complete or project not turned in a student may earn a zero. It is recommended to use class time on that 5th day to finish whatever the student can to avoid a zero. **Rationale:** When a student is absent the class does not stop. An absent student should make any missed work as soon as possible – 5 days being the most. This is done to ensure the student catches up to their classmates upon returning from an excused absence and is making up work that will lead to greater success on the concepts the class is currently exploring.
5. Extended illness or other mitigating circumstances may be grounds for more time allowed to make up missing work. Students who **do not pass a summative at 70% need to retake the summative**, and this needs to be done within the 5 days of the summative. Students may or may not earn more or less than 70%. **Rationale:** Anytime a student is retaking a summative assessment their class is still moving forward through the curriculum. To allow the distraction of remediating a concept beyond 5 days may interfere with the students' success.
6. Teachers need to do all they can to enter grades in Skyward the same day they hand back summative work to students. Students who do not take advantage of the retake should be noted in Skyward. **Rationale:** Our students and parents care about grades. They deserve to have the most accurate and up to date information possible. Parents should also be able to see if their student has to not take advantage of the retake opportunity.
7. Teachers need to contact parents/guardians and guidance after multiple retakes have occurred, especially early in the year, and determine if the student is in the right class. **Rationale:** If a retake is necessary after each summative assessment it is an indicator that possibly the student has been placed in a class that is beyond their current skill level. Teacher, parent and a guidance counselor should communicate to see if the student's placement should be changed.

COURSE CODING

Regular (R) course sections are designed for students who demonstrate fundamental skill and content competency. These courses are graded on a 4.0 scale.

Honor (H) course sections are for those students who seek an enrichment experience in the subject area. These courses are graded on a 4.25 scale.

Post-Secondary (PS) These courses are graded on a 4.5 scale.

Advanced Placement (AP) course sections are designed for students who plan to pursue post-secondary education at the university and technical college levels. To earn college credit, students sit for national exams in May. Marks of 3, 4, and 5 on AP exams typically allow students to earn general education credits towards their post-secondary degree.

Dual Credit (DC) course sections are technical college courses taught at the high school in which students can earn both high school and technical college credit.

Advanced Standing (AS) course sections are technical college general education courses taught at the high school. Students must earn a "B" or better and meet skill competencies required by the WI Technical College System for the course to be evaluated by the technical college. Subsequent enrollment in a technical college class is required for credit to appear on a technical college transcript.

Concurrent Enrollment (UW System Course CE) course sections are university level courses taught at the high school by an adjunct professor of the University of Wisconsin system. Placement in these courses is strictly determined by placement test scores and marks in pre-requisite courses. Students may take the course for high school credit, and for college credit if they pay tuition cost. Tuition cost is half the cost of the credit bearing course.

Youth Apprenticeships (YA) is a one or two-year elective program that combines academic and technical classroom instruction with mentored on the job learning and training.

ACADEMIC SERVICES

Core Resource Centers (CRC) are available for all students who would like additional assistance in their academic core classes of Math/Science, Social Science/English. Each center is staffed with a certified teacher from 7:55 a.m. to 3:00 p.m., with additional Math help, starting at 7:00 a.m. Students who fall below a 70% in a core class or required class for graduation may be referred into the appropriate resource center by their teacher, counselor or an administrator.

Credit Recovery classes are offered to students identified at-risk of not graduating because of failure in one area of the academic core. Placement in credit recovery is a collaborative agreement between administration, guidance, and the Credit Recovery Instructor.

Special Education classes and services accommodate students based on an individual education plan.

The **Testing Center** is available to all students from 7:00 am to 4:00 pm to make up or retake any exams.

Marshfield Alternative High School is an off-campus learning community offering individualized learning, small group instruction and self-paced curriculum to a limited number of students who need an alternative approach to learning. Enrollment is dependent upon application approval. Applications are available in the Guidance Office.

EARLY GRADUATION

The Board of Education acknowledges that some students are pursuing educational goals which include graduation from high school at an earlier date than their designated class.

Application for early graduation will be submitted to the high school principal in accordance with school regulations.

- Senior Mid-Year graduates must complete early graduation application by the end of first quarter of their 7th semester
- Juniors graduating one year early must complete early graduation application by the end of first quarter of their 5th semester.

The District may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. The student may participate in the graduation ceremonies with his/her designated class.

CLASS MEMBERSHIP

Freshman = 0 to 3.5 credits
Sophomores = 4.0 to 9.5 credits
Juniors = 10.0 to 16.5 credits
Seniors = 17.0 credits and above

GRADUATION REQUIREMENTS

The following graduation requirements have been established for Marshfield High School:

<i>Four credits</i>	English
<i>Three and one half credits</i>	Social Science
<i>Three credits</i>	Math
<i>* Three credits</i>	Science
<i>One and one half credits</i>	Physical Education (taken over 3 years)
<i>One half credit</i>	Healthy Choices (taken in grades 9-10)
<i>One half credit</i>	Consumer & Personal Finance (taken junior or senior year),
<i>One half credit</i>	Computer Applications R, H or Comp. Essentials Foundations
<i>Eight and one half credits</i>	Elective Courses
Total: 25 credits	

Receiving 25 credits is required by school district policy in order to graduate from the high school.

*A **MAXIMUM** of 1 credit of science may be obtained from the following agriculture/technology courses:

The courses listed below earn the science credit listed:

ES Animal Science- ½ credit
ES Biotechnology- ½ credit
ES Plant % Soil Science- ½ credit
ES Agriscience- 1 credit
ES Principles of Engineering- 1 credit

You must take BOTH of the courses listed below to earn ½ science credit:

Dairy Science
Small Animal Veterinary Science

The course listed below earns the math credit listed:

EM Digital Electronics- 1 credit

COURSE AUDIT

Students may audit a course for a better grade. Students will only earn credit for a course once, but may improve their GPA if they earn a higher grade while auditing a course. If a better grade is earned by auditing a course, the new grade will be placed on the transcript and the previous grade will be marked as "AU". If a better grade is not earned the audited class will receive AU as a grade.

CREDITS - MINIMUM AND MAXIMUM NUMBERS

All students must carry a minimum of 6.5 credits during the school year. Summer school credits are not considered part of the academic school year load. Students are able to carry a maximum of 9.0 credits during the year. Exceptions to this policy are considered only under unusual circumstances and only with the written consent and approval of the parents, school counselor and principal.

SCHEDULE/REGISTRATION CHANGES

It is always our goal to put our students in a position to experience a comfortable challenge, yet be successful. It is our belief that students must choose their courses carefully and with the intent of committing to the courses they selected at the time of scheduling/registration.

The ripple effect of mass numbers of students changing their schedules is immense. The Marshfield High School administration uses those course numbers to determine staffing for the upcoming school year. Those numbers must be solid in order to set the best course for our high school. In the past, in the months leading up to the new school year- students changed their schedules often- to the point that for some, the student's original schedule was unrecognizable. The problem was we had based our plans on the student's original selections. All of these changes made certain classes overcrowded and overall staffing shaky at best!

Parents, please assist your child in carefully selecting their courses for the following year. Information is available in the course guidebook which is found online. Students, our guidance counselors will be meeting with each class to assist in selection. If you are not sure about a certain class, ask the teacher who is teaching it this year if this would be a good choice for you. Finally, it may help to speak to some of your peers who have had the class. In any case, be sure that the courses you initially select are the courses you want.

SCHEDULE CHANGE POLICY

SCHEDULE CHANGE PRIOR TO THE START OF THE YEAR

Students may drop any course and add another course in their schedule for one or more of the following reasons:

- o For medical reasons (with documentation)
- o Due to significant changes to a student's post high school plans
- o There is a computer error on the student's schedule
- o There are two study halls in one semester and none in another
- o The student is in a Co-op, Health Career Connections or Youth Apprenticeship and needs to be free at certain times for his/her job.
- o The student's IEP requires that a modification be made.
- o The class needs to be added as it is a graduation requirement.

ADDING A COURSE AFTER THE START OF THE SEMESTER

Students may add a course in place of a study hall during the first five days of a semester if space is available in the course. Students must consult with the teacher regarding make-up requirements for any missed content. If students need to add a class to reach 6.5 credits, the class must be added during the first five days of the semester and must fit into their schedule without moving other classes.

DROPPING A COURSE AFTER THE START OF THE SEMESTER

Students may withdraw from a course if they make the request **during the first four weeks** of each semester and if they continue to have 6.5 credits on their schedule for the school year without the dropped class. Beyond this four-week window, students may be allowed to withdraw with a "W" for extenuating circumstances such as a medical condition. If an extenuating circumstance is not present, students who drop a class after this time will receive a grade of "F" and have a failing grade included in their grade point average.

REQUEST FOR A TEACHER CHANGE

1. Prior to the 1st day of class, the student and parent must contact the school counselor and request the change, including a specific educational reason for the change. The building principal will approve or deny this request.
2. Once school commences, to initiate a teacher change the following process must be completed:
 - a. The student, parent, and teacher must meet to discuss the reason for the request.
 - b. If after this meeting occurs, the parent still desires a teacher change, the parent must submit a written request to a principal stating the educational reason for the request.

- c. Upon review of the request and consultation with the school counselor, a building principal will approve or deny the request.
- d. If a principal approves the request, the student's school counselor will be directed to make the change. This change can only occur if the master schedule allows such a change. If the change is not possible within the master schedule, the student may drop the current class and take the class the following year with a different instructor.

REQUEST FOR COURSE LEVEL CHANGE

To initiate a teacher or class level change the following process must be completed:

1. The student, parent, and teacher must meet to discuss the reason for the request.
2. If it is determined after this meeting that a level change is required, the teacher will notify the school counselor to process a schedule change.
3. **Level changes can only occur at quarter breaks in the grading periods.** The student's quarter grade from the previous course will be entered in the gradebook for the new course and averaged for the semester grade.

CLASS RANK

As of Spring 2010, we no longer publicly rank students. This means that rank in class will not be part of the semester report cards nor the official transcript. Ranking will only be made available to colleges and scholarship committees upon consent and request of the 18-year-old student (or parent). This ranking is determined by adding the ranks of the cumulative semester grade points and the cumulative grade point average beginning in the ninth grade. Total grade points are determined by the total number of credits completed and the semester grades in each class. High ranking graduates (top 5%) are determined according to the seventh semester class rank. Honor cords are awarded to students who have a 3.8 cumulative GPA at the end of the seventh semester and/or are in the National Honor Society.

Class rank and honor roll are not the same. Honor roll is determined by grade point average on a quarterly basis. Quarter honor rolls (3.8+ and 3.4-3.799) are posted in the hall outside of the Counseling Office. Class rank will be updated at the end of each semester and approximately two weeks after the conclusion of summer school, but will not be published. I grades are averaged as F's. Grade changes are figured into the next semester ranking. Students have 2 weeks to make up obligations.

Students will be able to take **one** elective course per year (for a total of four courses in the high school career) on a pass/fail basis. Post-secondary Coursework (AP & DC) cannot be taken pass/fail. To earn a pass for a course and earn credit students must:

1. Complete pass/fail paperwork within the first four weeks of the course.
2. Earn a 70% average in the course.
3. Maintain academic and personal integrity in the learning environment.

Students may not revoke the pass/fail option once the paperwork has been submitted nor may they submit paperwork once the first four weeks of course instruction has passed. Students may still drop the course but they will have used the one pass/fail option for the academic year.

GRADE POINT COMPUTATION TABLE

	POST-SECONDARY (PS4)		HONORS (PS3)		REGULAR (PS1)		
GRADE	1	1/4	1	1/4	1	1/4	CREDIT
A	4.500	1.125	4.250	1.062	4.000	1.000	1
A-	4.129	1.032	3.901	0.975	3.670	0.917	1
B+	3.746	0.937	3.540	0.885	3.330	0.832	1
B	3.375	0.843	3.189	0.797	3.000	0.750	1
B-	3.004	0.751	2.838	0.709	2.670	0.667	1
C+	2.621	0.655	2.477	0.619	2.330	0.582	1
C	2.250	0.562	2.126	0.531	2.000	0.500	1
C-	1.670	0.417	1.670	0.417	1.670	0.417	1
D+	1.330	0.832	1.330	0.332	1.330	0.332	1
D	1.000	0.250	1.000	0.250	1.000	0.250	1
D-	0.670	0.167	0.670	0.167	0.670	0.167	1
F	0.000	0.000	0.000	0.000	0.000	0.000	0
I	0.000	0.000	0.000	0.000	0.000	0.000	0
W	0.000	0.000	0.000	0.000	0.000	0.000	0
X	0.000	0.000	0.000	0.000	0.000	0.000	0
P	0.000	0.000	0.000	0.000	0.000	0.000	1
Note: I = Incomplete; W = Withdrawn from Course; X = Medical Excuse; P = Pass							
Note: Some classes are offered only at the honors, AP or TC level.							

CREDITS BEYOND HIGH SCHOOL

AS = Advanced Standing indicates that you may be able to bypass entry-level technical college courses based on course work completed in high school if you earned a grade of “B” or better.

AP = Advanced Placement courses make students eligible to earn college credit based on the score of a test given at the completion of the course.

YA = Youth Apprenticeship is a one or two-year elective program that combines academic and technical classroom instruction with mentored on-the-job learning and training.

DC = Dual Credit means a MHS instructor teaches a Technical College course using the college’s curriculum and textbook. Students receive an official technical college transcript. Mid-State dual credit may be awarded for courses pending Mid-State’s dual credit approval/re-approval process – see your school counselor for current DC courses. Students who complete all requirements, and earn a grade of “C” or better on Mid-State’s grading scale can be awarded high school credit, as well as, credit on a transcript. Mid-State course requirements and grading scale may be different from that of high school courses. Students can consult with their high school teacher and/or school counselor, as well as, the technical college’s College Outreach Coordinator designated for their respective high school with further questions about being awarded dual credit.

NCAA ELIGIBILITY REQUIREMENTS

Students who wish to be eligible for NCAA scholarships should check which Marshfield High School courses meet the requirements on the NCAA website: www.eligibilitycenter.org.

All NCAA approved courses have a notation in the course catalog. See your counselor if you have any questions about which courses do meet the requirements.

DIVISION I

To play sports at a Division I school, you must graduate high school and meet **ALL** the following requirements:

1. Complete 16 NCAA core courses:
 - 4 years of English
 - 3 years of Math (Algebra 1 or higher)
 - 2 years of natural/physical Science (including one year of lab science)
 - 1 additional year of English, Math or natural/physical Science
 - 2 years of social science
 - 4 additional years of English, Math, natural/physical Science, Social Science, Foreign Language, Comparative Religion or Philosophy
2. Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
3. Seven of the 10 core courses must be in English, Math or natural/physical Science.
4. Earn at least a 2.3 GPA in your core courses.
5. Earn the ACT or SAT combined score that matches your core-course GPA on the Division I sliding scale.

The sliding scale can be found at:

<http://www.ncaa.org/student-athletes/future/test-scores>

DIVISION II

To play sports at a Division II school, you must graduate high school and meet **ALL** the following requirements:

1. Complete 16 NCAA core courses:
 - 3 years of English
 - 2 years of Math (Algebra 1 or higher)
 - 2 years of natural or physical Science (including one year of lab science)
 - 3 additional years of English, Math or natural or physical Science
 - 2 years of Social Science
 - 4 additional years of English, Math, natural or physical Science, Social Science, Foreign Language, Comparative Religion or Philosophy
2. Earn at least a 2.200 GPA in your high school core courses.
3. Earn the SAT or ACT score that matches your core-course GPA on the Division II competition sliding scale.

The sliding scale can be found at:

<http://www.ncaa.org/student-athletes/future/test-scores>



Marshfield High School- Academic Career Plan

4 Year Plan

	Freshman	Sophomore	Junior	Senior
<i>English</i> (4 credits)				
<i>Math</i> (3 credits)				
<i>Science</i> (3 credits)				
<i>Social Studies</i> (3.5 credits)				
<i>PE (1.5 credits)</i>				
<i>Elective</i>				
<i>Elective</i>				
<i>Elective</i>				
<i>Elective</i>				
<i>Elective</i>				
Totals:	Credits	Credits	Credits	Credits
Summer School				
Summer School				

- Fit for Life (.5 credits) required Freshman grade PE
- Healthy Choices (.5 credits) Freshman or Sophomore
- Computer Applications (.5 credits) Freshman or Sophomore
- Consumer and Personal Finance (.5 credits) Junior or Senior

Checklist for College Planning

WHEN TO BEGIN	WHAT TO DO	HOW TO DO IT
○ Freshman and Sophomore years	Learn about college requirements and continue exploring careers. Which high school courses satisfy college requirements? Are you involved in extracurricular activities?	Create a four-year high school curriculum plan. Try job shadowing. Get involved at school and in your community. Utilize Career Cruising.
○ September-March of junior year	Think about your reasons for going to college. What are your goals? What learning opportunities are most important? Do your college plans include career plans?	Talk with your parents, counselor, teachers, and friends. Investigate possible career options and degree level required. Utilize Career Cruising.
○ January-March of junior year	Identify important factors in choosing a college. Two-year or four-year? Location? Cost? Variety of study programs available? Entrance test requirements?	Focus on your goals and career interest. Consult college guidebooks. Explore colleges on the internet. Utilize Career Cruising. Prepare and register for the ACT.
○ March-August of junior year	List colleges you are considering and collect information. Have you included all possible choices? What information do you need? How can you get it?	Attend college fairs and college previews. Prepare for and visit colleges. Take the ACT.
○ August-December of senior year	Compare the colleges on your list. Have you weighed the pros and cons carefully? Which colleges will meet your needs?	Continue visiting colleges. Organize information into detailed, useful comparisons. Research and apply to available scholarships.
○ September-December of senior year	Apply to your “choice colleges”. Do you have all the necessary forms? Are you sure of the application deadlines? Apply for financial aid. Have you investigated all possible sources of aid? When should you apply?	Obtain application forms or know where to apply online. Observe deadlines. Submit transcript and test scores. Consult financial aid office. Secure forms and not deadlines. Complete the FAFSA as soon as possible after October 1. Research and apply to available scholarships.
○ November-May of senior year	Make some final decisions. What additional preparation might be helpful? Should you consider summer school? Do you feel comfortable with your final choice?	Confer with parents and counselors. Confirm your decision, and decline other admissions offers. Show initiative.

UNIVERSITY OF WISCONSIN SYSTEM (for Fall of 2021) COLLEGE PREP MINIMUMS

All UW System institutions require a minimum of seventeen high school credits distributed as follows:

1. **Core College Preparatory Credits** – must be regular or honors level classes

English	4 credits
Mathematics	3 credits (Algebra 1, Algebra 2, Geometry)
Natural Science	3 credits
Social Science	3 credits

2. **Elective Credits - 4**

“Electives may be chosen from English, mathematics, natural science or social science, foreign language, fine arts, computer science and other academic areas. Some campuses may accept technical and career courses for a portion of these credits. A minimum of two credits in a single foreign language is required for admission to UW-Madison, and may help meet graduation requirements at other UW System campuses.”

HIGHLY SELECTIVE COLLEGES AND UNIVERSITIES throughout the country expect students to take the most difficult courses offered each year of their high school career. They may have very specific requirements regarding English, mathematics, natural science, social science and foreign language. Students should consult specific college websites or the most current edition of the College board’s COLLEGE HANDBOOK, Peterson’s 4 YEAR COLLEGES, etc.

TESTING: THE ACT TEST IS PREFERRED BY THE UW SYSTEM, but the SAT is also accepted. Research shows that students who take college preparatory classes through their junior year have higher scores on the ACT Test. If students submit the ACT, UW-Madison requires the Writing Test also.



Ways in Which High School Students Can Earn Technical College Credit: Advanced Standing vs. Dual Credit

Articulation refers to aligning high school and post-secondary curricula to create sequences of courses offering skill attainment with unnecessary duplication. Articulation focuses on providing opportunities for high school students to take college level course work in order to get a head start on earning college credits while continuing to fulfill high school graduation requirements. There are two types of articulation – advanced standing and dual credit. Advanced standing (AS) and Dual credit (DC) is a way to use your high school classes to save time, money, and get ahead on your college education.

You can earn AS credit by enrollment in approved courses, demonstrating competencies on a MSTC certificate, and earning a grade of “A” or “B”. Credits are awarded; however, technical college grades are not given for these courses. Advanced standing may be accepted as credit toward completion of a comparable course(s) at other technical colleges. To have advanced standing credits placed on a MSTC transcript, students must take a subsequent course on campus at MSTC.

You can earn DC by enrollment in approved courses and demonstrating knowledge and skills using the accelerated grading scale (80% = C average). A letter grade is posted on an official Mid-State Technical College transcript and counted towards MSTC’s grade point average and are transferrable to other technical colleges who have the same program.

Students who have taken Advanced Placement courses and tested with a score of 3 or higher may earn credit in any Wisconsin Technical College.

Articulation agreements are subject to change, so please see your school counselor or Mrs. Fredrick, Career and Technical Education Coordinator, to verify current agreements.

Youth Apprenticeship



Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors for exposure to multiple aspects of an industry. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction

class, actively involved in a Career and Technical Student Organization (FBLA, FCCLA, FFA, HOSA, and/or SkillsUSA), and are employed by a participating employer under the supervision of a skilled mentor. Upon successful program completion, students are eligible to earn a state-issued skill certificate. After graduation, YA students move straight into the workforce, registered apprenticeship, or continue their education at a post-secondary institution.

YA Program Areas:

- *Agriculture, Food & Natural Resources
- *Architecture & Construction
- *Arts, A/V Technology & Communications
- *Finance
- *Health Sciences
- *Hospitality & Tourism

- *Information Technology
- *Manufacturing
- *Marketing
- *Science, Technology, Engineering & Math
- *Transportation, Distribution & Logistics

Timeline & Requirements:

Level One

- Junior OR Senior year of High School
- 450 hours of paid, work-based learning MINIMUM
- 2 semesters of related classroom instruction
- Quarterly employer evaluations and competency checklist review
- CTSO involvement

**YA 11
993**

Level Two

- Junior AND Senior year of High School
- 900 hours of paid, work-based learning MINIMUM
- 4 semesters of related classroom instruction
- Quarterly employer evaluations and competency checklist review
- CTSO involvement

**YA 12
994**

For more information or to apply to Youth Apprenticeship visit <https://www.marshfieldschools.org/cte> or email Mrs. Fredrick at fredrickj@marshfieldschools.org. Applications for this competitive program are accepted from Sophomore year through 1st quarter of Senior year.

ONLINE COURSES

***AP PSYCHOLOGY PS**

Course: 3170

Credit: ½

Duration: Semester

Grades: 11-12

Pre: Junior standing or Instructor's

Consent

Fee: None

Prepare for the AP Psychology Exam through the use of discussion boards, drop-boxes and online labs. Students that take the online option will experience the same curriculum and assessments as the regular classroom; however, students will have the convenience of the online classroom and will begin and end their semester in such as to finish the class on the date of the AP Psychology exam.

NOTE: Candidates for this class must be independent learners, familiar with the online learning environment, conscientious about due dates, and pro-active toward problem solving.

REQUIREMENTS: Reliable computer technology and access to the internet. Ability to take exams in the testing center (7:00 a.m. to 4:00 p.m.) on predetermined dates.

***AP WORLD HISTORY PS**

Course: 3380

Credit: 1

Duration: Year

Grades: 10-12

Pre: Sophomore Standing

Fee: None

Raise the academic bar with the challenges of a rigorous and fast paced survey of world history. This class is an excellent counterpart to AP European History and will help students achieve a broad perspective of western and non-western cultures.

NOTE: In spring you can take the AP World History test and earn up to six college credits.

REQUIREMENTS: Considerable use of research skills, critical thinking skills, analytical writing, public speaking skills, and integrating technology. This is a college level course.

****AP COMPUTER SCIENCE A PS**

Course: 8870

Credit: 1

Duration: Year

Grades: 10-12

Pre: Intermediate Programming (849) and Sophomore Standing

Fee: None

College-level programming/development course using the Java language. Concepts included are structured Java programming style, assignment and logical operators, decision-making, looping, functions and arrays. Also learn the concepts of data structures, classes, inheritance, recursion and other advanced topics using an object-oriented approach. Students may seek college credit by taking the Advanced Placement Examination in May. AP Computer Science A is recommended in 3 of the 16 Career Clusters.

NOTE: Candidates for this class must be independent learners, familiar with the online learning environment, conscientious about due dates, and pro-active toward problem solving.

REQUIREMENT: This is a college level course requiring reliable at-home computer technology and internet access.

***AP HUMAN GEOGRAPHY/GLOBALIZATION PS**

Course: 8580

Credit: 1

Duration: Year

Grades: 12

Pre: Senior Standing

Fee: None

This year-long course provides students with an opportunity to expand their knowledge of our world from a broad, geographical perspective. Students will realize and appreciate the complexities of globalization and think critically about what they see, read, and hear about their world through critical analysis of culture, society, and space. Students are challenged to think geographically across scale and across a wide range of geographical phenomena and global issues. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography.

NOTE: Candidates for this class must be independent learners, familiar with the online learning environment, conscientious about due dates, and pro-active toward problem solving. Learning targets and content requirements are the same as traditional face-to-face class, but due to the 24/7 online model a driven AP student may be able to complete course requirements in less academic calendar time. REQUIREMENTS: This college-level course requires considerable reading, writing, critical thinking and application of concepts and theories, integrating technology on a daily basis.

***AP ECONOMICS PS**

Course: 3370

Credit: 1

Duration: Year

Grades: 11-12

Pre: Junior Standing

Fee: None

Expand your understanding of the complexities of the American economy in this challenging college level course. Examine the underlying principles of micro and macro-economics, collaborate with business leaders to examine local issues, and work toward possible college credit.

REQUIREMENTS: Considerable application of economic theory to a host of contrived and real-world scenarios, conducting independent research, problem solving using economic methodologies and theories, and the ability to evaluate the validity of conflicting schools of thought is emphasized. This is a college level course.

*This course may be offered in an online\hybrid course format depending on student enrollments. Hybrid would feature a combination of online and traditional face-to-face instruction.

**This course may be offered in an online course format depending on student enrollments.

AGRICULTURE COURSES

NOTE: A MAXIMUM OF 1 CREDIT of science may be obtained from the following agriculture classes:

The courses listed below earn the science credits listed:

ES Animal Science- ½ credit

ES Biotechnology- ½ credit

ES Plant & Soil Science- ½ credit

You must take BOTH of the courses listed below to earn ½ science credit:

Dairy Science

Small Animal Veterinary Science

ES = Satisfactory completion of one credit of the courses classified as ES (Equivalency Science) will satisfy a credit requirement in science.

* = Satisfactory completion BOTH courses preceded by an asterisk will satisfy a one-half (½) credit requirement in science.

You can complete one credit of your three science requirements by successfully completing Agriculture courses with an asterisk (*) or ES (Equivalency Science) in their title.

ALL FFA MEMBERS MUST BE ENROLLED IN A COURSE OFFERED THROUGH THE
AGRICULTURAL EDUCATION DEPARTMENT.

AGRICULTURE COURSES

ES AGRISCIENCE

Course: 970
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

"Learning by doing" activities provide exposure to various areas of Agri-Science. These include: careers, soils, plant science, horticulture, integrated pest management, animal nutrition, animal physiology, genetics, reproduction, forestry, wildlife management, natural resources and food science. The greenhouse, hydroponics lab, cheesemaking lab and computer lab will be used as laboratories for various activities dealing with soils, plants, animals, food, and horticulture.

ES ANIMAL SCIENCE

Course: 972
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

Learn the anatomical features and functions of animals. Students will study careers with animals, feeding and nutrition, genetics, animal health, reproduction and animal rights/welfare. Have the opportunity to dissect a fetal pig in order to understand mammalian internal anatomy, and also perform animal biotechnology experiments.

DC ANIMAL MANAGEMENT PS

Course: 974
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None



Explore the food animal industry. Examine beef, sheep, swine, and poultry, their breeds, selection and judging, feeding and management, diseases and parasites, housing and equipment and marketing.

NOTE: Students that successfully complete both DC Animal Management (974) and DC Dairy Science (982) can earn Dual Credit from Mid-State Technical College for Introduction to Animal Science #10091102, 3 credits.

ES BIOTECHNOLOGY

Course: 975
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

Explore the everchanging world of agricultural biotechnology. Hands-on classroom investigations will include gene splicing, DNA extraction, DNA fingerprinting, forensics, tissue culturing, and PCR testing. Use the electrophoresis lab and greenhouse as tools to study DNA. Participate in a field trip to UW-Madison Biotechnology Center and other labs to tour cutting-edge facilities and use them to complete lab activities.

NOTE: This is a NCAA approved course.

ES PLANT & SOIL SCIENCE

Course: 976
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

An in-depth look at soil origin and development, physical properties, and soil conservation. Use the greenhouse to grow Poinsettias for the holidays. By taking cuttings of houseplants and growing vegetables with state-of-the-art hydroponics equipment, explore plant structure, growth, physiology, reproduction, and management. Participate in the county soils evaluation contest.

*SMALL ANIMAL VETERINARY SCIENCE

Course: 980
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

Discover the opportunities in the animal industry that range from owning a pet shop to working as a zoo-keeper, from breeding cats to working with exotic animals. Small Animal Veterinary Science includes: dogs, cats, horses and other companion animals. Breeds, anatomy, proper health care, nutrition, breeding, showing, careers and animal rights/welfare will be discussed.

AGRICULTURE COURSES

DC DAIRY SCIENCE

Course: 982
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None



Gain knowledge about careers, breeds, record-keeping, reproduction, milk secretion, feeding, housing, diseases, judging, selection and marketing of dairy animals and products. Participate in a field trip to area dairy farms to learn how modern dairies operate, and to test your judging skills.

NOTE: Students that successfully complete both DC Animal Management (974) and DC Dairy Science (982) can earn Dual Credit from Mid-State Technical College for Introduction to Animal Science #10091102, 3 credits.

DC FORESTRY PS

Course: 984
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None



Examine the principles behind good forest and woodlot management. Review occupations, lumberjack history, forest products, tree structure and growth, tree identification, tree measurement, silviculture, and chain saw use and safety. Participate in a field trip to the school forest.

NOTE: Students that successfully complete both Forestry (980) and Wildlife Management (986) can earn Dual Credit from Mid-State Technical College for Introduction to Fisheries, Forestry, and Wildlife Resources #10001199, 3 credits.

DC WILDLIFE MANAGEMENT PS

Course: 986
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None



Investigate wildlife ecology, habitat management, wildlife regulations and methods of managing wildlife, including hunting, fishing and trapping. Tour area wildlife facilities and complete a fish taxidermy project. Course Fee: Extra taxidermy project, above & beyond the standard curriculum student will be charged "actual" cost of all supplies.

NOTE: Students that successfully complete both Forestry (980) and Wildlife Management (986) can earn Dual Credit from Mid-State Technical College for Introduction to Fisheries, Forestry, and Wildlife Resources #10001199, 3 credits.

DC HORTICULTURE PS

Course: 988
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None



Use the greenhouse extensively for the production of bedding plants. Explore horticultural career opportunities, study basic plant growth and soils, learn about holiday arrangements and make one of your own. Practice pruning techniques and develop a landscape plan. Experiment and learn about plant growth with our hydroponics equipment.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for DC Horticulture #10001111, 2 credits.

AGRI-BUSINESS MANAGEMENT

Course: 989
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

Gain personal management and leadership skills essential for a future in the world of business. Learn about the types of businesses and the advantages and disadvantages of each. Study methods for determining profitability, net worth, and inventory values. Explore the many aspects of entrepreneurship, employability skills, and marketing agricultural products and services. Lab activities will include utilizing agribusiness accounting software, inventories, taxes, commodity marketing, and management simulations.

AGRI-BUSINESS CO-OP

Course: 990
Credit: 2
Duration: Year
Grades: 12
Pre-Req: Senior Standing and Co-op Application
Fee: None

This senior level course consists of classroom instruction and on-the-job training. Classroom instruction will include employability skills and job specific skills. Job placements will be in various areas of agribusiness including: animal science, plant and soil science, horticulture, forestry, natural resources, bio-technology and production agriculture. One credit will be granted for the classroom portion of the course and one credit for successful completion of the on-the-job training.

NOTE: The on-the-job training credit will not be awarded if the classroom portion of the course is not completed with a passing grade.

AGRICULTURE COURSES

YOUTH APPRENTICESHIP

Course: 993 or 994

Credit: 1 per year

Duration: Year

Grades: 11-12

Pre-Req: Junior Standing, application
form and instructor's consent

Fee: None

For more information, please see page 14

Juniors should sign up for course #993

Seniors should sign up for course #994

ART COURSES

DESIGN 1

Course: 701

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$10

Students will be introduced to the rigor and highly applicable world of design. Investigations will include typeface, composition, color, application to packaging. In this course students will learn gestalt (theory of unity) principles and apply them to traditional artistic media. This class is for those who may be interested in careers such as Interior, Graphic, Multimedia/Web, or Industrial Design. Photoshop and Illustrator will be used along with presentation mediums. This class will conclude with limited investigations of architectural and 3-D modeling in digital forms.

2-DIMENSIONAL ART PRINCIPLES

Course: 703

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$10

Using a general focus, students will explore the foundations of 2-Dimensional Arts. Students will be introduced to an immense variation of media while learning techniques and skills relevant to studio practices. This course is designed for any student who desires a refresher in art or would like to explore multiple 2-dimensional art forms. Mediums used will be chosen from watercolor, prismacolor, pencils, pen and ink, charcoal, pastel, acrylic and printmaking. While investigating their own ideas through the elements and principles of art and design students will explore the vast history of art through specific artists and their work. Specific focus will be paid to spatial reasoning, line, color and communication. This class serves as a foundation for Drawing, Painting, and Design classes. Students will understand the importance of the visual arts in constructing our shared human experience.

3-DIMENSIONAL ART PRINCIPLES

Course: 704

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$15

Using a general focus and exploring the history of art, students will explore the foundations of 3-Dimensional Arts. Students will be introduced to variations of media while learning technique skills relevant to studio practices. This course is designed for any student who desires a refresher in art or would like to explore multiple 3-dimensional art forms and materials. Mediums to explore may include plaster, paper, wax, clay, concrete, wire, metal, fibers, stone and cardboard, and more. While investigating their own ideas through the elements and principles of art and design, students will explore the ideas of specific artists and their work. This class serves as a foundation for Sculpture, Ceramics, Jewelry/Metal Arts, and Design classes. Students will understand the importance of the visual arts in constructing our shared human experience.

DESIGN 2 (H)

Course: 705

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: Applied Art and Design (701)

Fee: \$10

Students will delve deeper into the highly applicable world of design. Investigations will include advanced design challenges, creating solutions and developing sophisticated design. In this course students will learn how to clearly identify problems and work towards their solution. This class is for those who may be interested in careers such as Interior, Graphic, Multimedia/Web, or Industrial Design. Various digital rendering programs will be used including a 3-Dimensional modeling program, architectural rendering programs and Adobe Creative Suite. This class will challenge students to identify problems in Design and create solutions that will culminate in a professional presentation.

DESIGN 3 (H)

Course: 706

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Advanced Applied Art and Design (705)

Fee: \$10

Students will explore world of design while applying previous knowledge and skills to pursue their own design ideas. An ability to have personal initiative to pursue a large design project is a must. Investigations will include advanced design programs; this may include and is not limited to 3-D printing/prototyping, designing architectural works, character design for animation and exploration into various digital design programs. Concurrently, while pursuing their personal projects they will choose from an advanced design problem provided by the instructor.

ART COURSES

DRAWING 1

Course: 707
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$10

Refine basic drawing skills, working with perspective, realism and portraiture while using a variety of tools: pen and ink, graphite, and pastels.

PAINTING 1

Course: 712
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee \$20

The Painting course explores stylistic differences in paintings. Students will explore the use of acrylic paint for 9 weeks and watercolor as a painting media for the remaining 9 weeks. Students will understand and synthesize different brush and texture techniques to create a finished painting for both mediums. Students will create realistic and abstract works of art using acrylic and/or watercolor paints. This class is ideal for students interested in careers such as Art Educators, Graphic Artists, Fashion Design and many other careers related to art.

SCULPTURE 1

Course: 714
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$15

Students will be introduced to the history of 3-Dimensional Art. Investigations will include traditional methods of sculpting as well as contemporary new media. Students will get a chance to use additive and reductive methods to sculpt. Projects range from creating your own self-portrait bust, carving in plaster, working with concrete, welding steel, casting your own hands, and creating work from experimental media.

SCULPTURE 2 (H)

Course: 715
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: Sculpture 1 (714)
Fee: \$15

This course is designed for the student that is sincere about pursuing an art career or understanding art a significant level. Students will use ideas as the inspiration and guide in creating modern to contemporary works of sculpture. Projects range from creating your own video and projections, installations, human scale sized work and creating work from experimental/contemporary media.

DRAWING 2 (H)

Course: 716
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: Drawing 1 (707) with a final grade of at least a "B", or instructor's consent
Fee: \$10

Refine students drawing skills with an in-depth study of portraiture on black paper using pastels as a medium. Students will also study the human form of bones and muscles. Lastly, students will create a large perspective drawing of a city or building using pencil as a medium.

REQUIREMENTS: Participation and attendance in this class are very important since this is a performance- based class.

PAINTING 2 (H)

Course: 718
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: Painting 1 (712) with a final grade of at least a "B", instructor's consent
Fee: \$24

The Advanced Painting (Honors) course involves an in-depth exploration of stylistic differences of paintings. We will continue exploring the use of acrylic and watercolor paints as a medium with exploration into classical studies, contemporary practices and modernism. Students will use their own interest to guide the subject matter within the given projects. Students will assess and critique their own work. Students will be able to have more control in dictating project parameters.

ART COURSES

PAINTING 3 (H)

Course: 719

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Painting 2 (718) with a final grade of at least a "B", instructor's consent

Fee: \$20

The Studio Painting course involves a deeper exploration of basic, advanced and collegiate level conversations in painting. Portraiture, still life and contemporary abstract projects will be designed by students and the instructor. Students will study master artists and develop their abilities in creating traditional illusions. Emphasis will put on developing your painting voice through technical skill, subject and interaction with audience. Students will have the opportunity to have more control in dictating project parameters.

CERAMICS 1

Course: 720

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$15

Students will learn basic hand building, throwing, trimming, and finishing techniques associated with Ceramics. Students will create and learn about large vessels which will serve as a long-term project. Additionally, we will construct working whistles while learning about how to abstract objects to create more sophisticated works of art. Finally, students will learn and practice throwing techniques with and without teacher assistance. This class prepares students for Advanced Ceramics.

CERAMICS 3 (H)

Course: 724

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Ceramics 2 (725) with a final grade of at least a "B", or instructor's consent

Fee: \$15

Students will learn studio and collegiate level hand building, throwing, trimming, and finishing techniques associated with Ceramics. As a class we will investigate and learn the subtle language of Ceramics. Aesthetics of good form and intention will be addressed. Students will be introduced to varying techniques from Mexican, Chinese, Japanese, German, English and other world traditions. Artifacts from master level potters will be explored as we develop our skills. Students' personal interest will serve as the focus of techniques learned. This class will culminate in a show of the students' finest work.

CERAMICS 2 (H)

Course: 725

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Ceramics 1 (720) with a final grade of at least a "B" or instructor's consent

Fee: \$15

Students will learn advanced hand building, throwing, trimming, and finishing techniques associated with Ceramics. Students will create and learn about decorative covered vessels, which will serve as a long-term project first quarter. Additionally, second quarter will involve a slab rolled designed pitcher. Students throwing skills through consistent and rigorous work on the pottery wheel will be perfected. Students will be expected to create works of considerable quality. At the end of the semester, students will become more proficient throwing on the wheel without teacher assistance. This class prepares students for Studio Ceramics. A grade of B or above must be achieved to move on to Studio Ceramics.

JEWELRY & METAL ARTS 1

Course: 726

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$15

Students will explore and create a variety of handmade wearable art jewelry from copper, brass, nickel and sterling silver. Through investigation of multiple techniques and the study of cultural uses of jewelry, students will learn soldering, torch work, metal sawing & piercing, cabochon stone-setting, patina applications, oxidation, and color treatments on metal. Students will use fabrication techniques to create wearable pieces of art, including necklaces, rings, and earrings.

ART COURSES

JEWELRY & METAL ARTS 2 (H)

Course: 730

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Jewelry 1 (726) with a final grade of at least a “B”, instructor’s consent

Fee: \$15

Students will continue to refine and expand more advanced jewelry making techniques, building off of existing knowledge gained from beginning Jewelry & Metals Arts. Through deeper investigation of multiple techniques, students will continue to solder, saw metals, set cabochon and faceted stones, and create more sophisticated designs using alternative methods. The focus of this advanced course is on exploring new techniques and investigating trends in jewelry & metal arts. Students may choose to wearable and non-wearable works of art in metal and alternative materials.

AP ART HISTORY PS

Course: 731

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore Standing.

Commitment to academic work, strong writing and communication skills are essential, along with academic success in social studies, literature or advanced art courses.

Fee: \$30-40

AP Art History is a yearlong course that explores art from the origins of mankind to the contemporary art world. Achieve a wider and more in depth understanding of the world through cultural investigation. Students will be expected to perform at a collegiate level while we explore, analyze and identify specific works of art and the cultures that created them. This class prepares you for the AP Art History College Exam in the spring and an ever-increasing global economy and culture. One field trip will be taken in the spring to validate and utilize your new Art History knowledge.

REQUIREMENTS: Students will be writing art essays, completing chapter take-home quizzes, discussing art works in class, complete one visual research project, one field trip, and taking several tests.

JEWELRY & METAL ARTS 3 (H)

Course: 733

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Jewelry & Metal Arts 2 H (730) with a final grade of at least a “B”, instructor’s consent

Fee: \$15 plus additional cost for metal used.

Students will continue to refine and expand their knowledge of jewelry forms by building off of existing knowledge gained from Advanced Jewelry in a third course of jewelry. By thoughtful investigation, students in Studio Jewelry will create a cohesive body of work focusing on a theme or idea. Students will create a portfolio of work that represents their knowledge of the medium.

DRAWING 3 (H)

Course: 734

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Drawing 1 and Drawing 2

Fee: \$10

Focus your art talents with a third semester of drawing. A more in-depth course for drawing different techniques in pencil. Studying the human form of hands and feet in a composition and finally create a large expressionist facial drawing on Stone Henge paper. Other new quality drawing paper will be introduced to the student throughout the semester.

REQUIREMENTS: Participation and attendance in this class are very important since this is a performance- based class. Must be an independent worker.

AP 2-DIMENSIONAL ART PS

Course: 742 & 742A

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Must have beginning and advanced courses completed with a grade of no lower than an “A” in either drawing, painting, jewelry, or ceramics. Two or more semesters are needed for this course.

Fee: \$10

Students develop a portfolio of 3-D, 2-D or Drawing works while keeping in mind the three major concerns that reflect first year college level standards which are: a sense of quality, the student’s concentration on a particular visual interest and the students need for breadth of experience in the formal, technical and expressive means of art. These portfolios include 20-24 pieces of your best work. The choices of technique, medium, style, form, subject and content are made by the student in consultation with the teacher. Course fee: \$10 for Drawing 2-D and \$15 for 3-D.

REQUIREMENTS: Must be an independent thinker and have the ability to work independently. Extensive out of class time commitment is required.

Students must speak to their art teacher if interested in developing a portfolio of work.

ART COURSES

AP 3- DIMENSIONAL ART PS

Course: 743 & 743A

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Must have beginning and advanced courses completed with a grade of no lower than an "A" in either drawing, painting, jewelry, or ceramics. Two or more semesters are needed for this course.

Fee \$15

Students develop a portfolio of 3-D, 2-D or Drawing works while keeping in mind the three major concerns that reflect first year college level standards which are: a sense of quality, the student's concentration on a particular visual interest and the students need for breadth of experience in the formal, technical and expressive means of art. These portfolios include 20-24 pieces of your best work. The choices of technique, medium, style, form, subject and content are made by the student in consultation with the teacher.

REQUIREMENTS: Must be an independent thinker and have the ability to work independently.

Extensive out of class time commitment is required.

Students must speak to their art teacher if interested in developing a portfolio of work.

AP DRAWING PS

Course: 744 & 744A

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore Standing. Must have beginning and advanced courses completed with a grade of no lower than an "A" in either drawing, painting, jewelry, or ceramics. Two or more semester are needed for this course.

Fee: \$10

Students develop a portfolio of 3-D, 2-D or Drawing works while keeping in mind the three major concerns that reflect first year college level standards which are: a sense of quality, the student's concentration on a particular visual interest and the students need for breadth of experience in the formal, technical and expressive means of art. These portfolios include 20-24 pieces of your best work. The choices of technique, medium, style, form, subject and content are made by the student in consultation with the teacher.

REQUIREMENTS: Must be an independent thinker and have the ability to work independently.

Extensive out of class time commitment is required.

Students must speak to their art teacher if interested in developing a portfolio of work.

PHOTOGRAPHY 1

Course: 745

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$20

Students in Photography will explore in depth the fundamental principles, techniques, and application of digital camera-based image making as well as post-processing techniques using Adobe Photoshop and Adobe Lightroom. A visually oriented history of the photograph will be emphasized in both its commercial and its creative aspects. We will study how photography has impacted the world, and how artists have used photography as a tool for journalism, documentation, social change, mass media, and artistic expression. Students will use analog and digital processes to create photographs as works of art. Students will be required to create a portfolio of work including photographs that use elements and principles of design in sophisticated ways.

PHOTOGRAPHY 2 (H)

Course: 746

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: Student must have earned a "B" or better in Photography 1 (745)

Fee: \$20

Students will continue to develop technical skill with digital SLR cameras and computer software to manipulate and refine images. The curriculum for this course includes the inventive use of light and photographic equipment to create art telling complex stories. With an emphasis on production, this course is designed to develop higher-level thinking, art-related technology skills, art criticism, art history, and aesthetics. Students will express themselves through the themes of studio work, self-portrait, time exposure, and conceptual, narrative, documentary and photojournalism photography. Students will analyze and critique photographs, discuss aesthetic issues, and relate historical styles in photography to their own work and that of other photographers.

ART COURSES

PHOTOGRAPHY 3 (H)

Course: 747

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Students must have earned a “B” or better in Photography 2 Honors (746)

Fee: \$20

Students will continue to develop advanced technical skill with digital SLR cameras and computer software to manipulate and refine images. The curriculum for this course includes the inventive use of light and photographic equipment to create complex stories. With an emphasis on production, this course is designed to develop higher-level thinking, art-related technology skills, art criticism, art history, video experimentation, and aesthetics. Students will develop advanced lighting techniques, layered image production, visual narratives, story boards, video transitions, video projections, and video capture. Students will analyze and critique still and moving imagery, discuss aesthetic issues, and relate historical styles of sequential imagery in their own work and that of other photographers.

BUSINESS & INFORMATION TECHNOLOGY

WEB DESIGN

Course: 808
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Learn how to create effective web sites that are attractive and easy to navigate. The course begins with a brief introduction to the Hypertext Markup Language (HTML), and moves into creating and developing a website using Cascading Style Sheet (CSS) to style web pages. Students will also use Photoshop to learn how to produce engaging graphics to incorporate into their web page design as well as allowing for fast download speeds. For the final course project, students will create a personal website portfolio highlighting their semester work.

COMPUTER APPLICATIONS (H)

Course: 811
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Become well-prepared for college and career by learning and mastering the MS Office suite focusing on Word, Excel, Access and professional presentations. Infused throughout the course are web 2.0 tools designed to expand your knowledge of current technological trends and devices. Microsoft Office Specialist certification will be offered as part of the course.

NOTE: Juniors and Seniors are recommended to enroll in this level to meet the graduation requirement.

REQUIREMENT: Multiple technological projects and activities beyond scheduled class time are required.

COMPUTER APPLICATIONS

Course: 830
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Students need to learn effectively and live productively in an increasingly global and digital world. Become well-prepared for college and career by learning and mastering the MS Office suite focusing on Word, Excel, and professional presentations. Microsoft Office Specialist certification will be offered as part of the course.

COMPUTER APPLICATIONS FOUNDATIONS

Course: 831
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

After completing this required course, students will be able to create professional documents and presentations quickly and easily, using Microsoft Word and PowerPoint. The concepts and skills learned in this class will be used in other high school courses and will transfer to college or the world of work. This course can be taken instead of Computer Applications R or H with the consent of instructor or counselor.

NOTE: Accommodations are made for students with special needs.

ACCOUNTING PRINCIPLES

Course: 838
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Planning a career in the fields of business, marketing, or finance? Accounting is an essential course for those students interested in studying business at the college or university level. Students learn the procedures involved in the accounting cycle by completing transactions and preparing financial statements. Career opportunities will be explored to see what the future holds for the accounting profession. Accounting is a recommended course in 8 of the 16 Career Clusters. Reliable internet access is required.

DC COLLEGE ACCOUNTING I PS

Course: 845
Credit: ½
Duration: Semester
Grades: 11-12
Pre-Req: Junior Standing
Fee: None



Accounting is the key to opening the door to the business world and is a required course for all business majors in college. Emphasis is given to the analysis and interpretation of financial activity, preparing and interpreting financial statements, and applying accounting theory in decision-making. Accounting careers and becoming a CPA will also be investigated. This is a preparatory college-level course for students planning to major in any area of business. Reliable internet access is required.

NOTE: In addition, dual credit will be granted from MSTC for Accounting I & II #10101111 4 credits upon successful completion of BOTH semesters of DC College Accounting.

BUSINESS & TECHNOLOGY INFORMATION

DC COLLEGE ACCOUNTING II PS

Course: 846

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior Standing & DC College Accounting I (845)

Fee: None



Add to the concepts learned in the first semester of College Accounting I. Students will learn the steps in completing the accounting cycle for a merchandising business. Topics covered mirror the topics covered in the first semester collegiate courses. This second semester of accounting must be taken in order to receive the four credits from MSTC.

NOTE: In addition, dual credit will be granted from MSTC for Accounting I & II #10101111 4 credits upon successful completion of BOTH semesters of DC College Accounting.

INTRO COMPUTER PROGRAMMING

Course: 848

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: None

Looking for a competitive advantage in college or tech school and your chosen career path? Learn how to program instead of being programmed. Using hands-on learning experiences, you'll explore the fundamentals of computer programming using a variety of programming languages. A rewarding, sometimes challenging, collaborative and creative learning experience, this course is designed for students with little or no prior programming experience but wish to explore one of the most popular STEM/STEAM fields in terms of jobs outlook and salary in our world today. ***Students who take this class play an integral role in selecting the music and developing animation sequences for a significant portion of the Rotary Winter Wonderland light display each year.***

ADVANCED COMPUTER PROGRAMMING (H)

Course: 850

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: Algebra I (205) or Algebra I H (206)

Fee: None

Looking for a competitive advantage in your chosen career path? Using hands-on learning experiences, you'll explore the fundamentals of computer programming using a variety of programming languages. A rewarding, challenging, collaborative and creative learning experience, this course is designed to prepare students for Game Programming and/or AP Computer Science A. Explore one of the most popular STEM/STEAM fields in terms of jobs outlook and salary in our world today.

REQUIREMENT: This is an honors course and requires strong reading and math skills.

DC BUSINESS CORE PS

Course: 851

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior Standing

Fee: None



If you are considering business as a career option, this class is for you. An introduction to what a business is, how it operates, and how it is managed. Students identify forms of ownership and the processes used in production and marketing, finance, personnel and management. After one semester, you will have a better idea of what goes on behind the scenes of many business decisions and have a better idea of what you may want to pursue for a future business career.

NOTE: In addition, dual credit will be granted from MSTC for Introduction to Business #10102101 3 credits upon successful completion of this course.

AP HUMAN GEOGRAPHY PS

Course: 858

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

This year-long course provides students with an opportunity to expand their knowledge of our world from a broad, geographical perspective. Students will realize and appreciate the complexities of globalization and think critically about what they see, read, and hear about their world through critical analysis of culture, society, and space. Students are challenged to think geographically across scale and across a wide range of geographical phenomena and global issues. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography.

BUSINESS & INFORMATION TECHNOLOGY

SPORTS AND EVENT MARKETING

Course: 880

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing

Fee: None

Sports are a billion-dollar industry in today's economy. Students will learn to apply marketing principals to the world of multi-million-dollar athletes and entertainers, as well as local sports programs. Strategies to create effective promotions, build sponsorships, and create fan enthusiasm will be developed as students manage a sports franchise.

AP COMPUTER SCIENCE A PS

Course: 887

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Advanced Computer

Programming (850) or AP Computer

Science Principles PS (888), sophomore

standing

Fee: None

Learn college-level programming using Java programming language. Concepts included are structured Java programming style, assignment and logical operators, decision-making, looping, functions and arrays. Also learn the concepts of data structures, classes, inheritance, recursion and other advanced topics using an object-oriented approach. Students may seek college credit by taking the Advanced Placement Examination in May.

REQUIREMENT: This is a college level course requiring additional out-of-class time commitment.

AP COMPUTER SCIENCE PRINCIPLES PS

Course: 888

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Algebra I, Sophomore Standing, or freshman with instructor's consent

Fee: None

AP Computer Science Principles introduces students to the foundational concepts of Computer Science and explores the impact computing and technology have on our society. The entire course has been designed to show students that anyone can understand and "do" Computer Science. We know reading, writing and arithmetic are required to pursue a professional career in any discipline. In the 21st century, it is clear that computing has become a part of not only our professional work, but also our society. So think of the understanding and skills of Computer Science as a fourth 'R', necessary for any discipline. After this class, you will stand out from other college and high school graduates in your preparation to work with the new technologies of the future.

Students are introduced to the "big ideas" of computer science: creativity, programming, abstraction, algorithms, large data sets, the Internet, cybersecurity concerns, and the global impact of computing. The course will give students the opportunity to use technology to address real-world problems and build relevant solutions, while inviting students to understand how computing changes the world.

DC BUSINESS & INFORMATION TECHNOLOGY CAPSTONE PS

Course: 892

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior Standing

Fee: None



This course is designed for students interested in taking their B & IT skills to the next level. Students will work with the teacher to decide on the pathway(s) they will complete. Students will be expected to work individually and collaboratively in small groups and create leadership and task-oriented guidelines to further their understanding of their chosen pathway. Projects will vary based upon student/team interest and will revolve around any number of Information Technology or Business/Marketing fields. Enrollment in this course will require participation in after-school events to support the Capstone projects, including the Tiger School Store.

NOTE: In addition, dual credit will be granted from MSTC for Microsoft Office-Introduction #10-103-106 3 credits upon successful completion of this course.

BUSINESS & TECHNOLOGY INFORMATION

GAME PROGRAMMING (H)

Course: 894

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Advanced Programming H (850)
or AP Computer Science Principles (888)

Fee: None

What does it take to be a game developer? This course provides students with an understanding of the principles and concepts of video game development, animation, and app development processes. Students will learn game design theory, animation techniques, and app development processes using state-of-the-art integrated development environments. Students design and develop games, analyze popular games, and learn about various aspects of the game industry. This is a project-based course providing students with several hands-on experiences, providing insight as to what it takes to be a game programmer in today's world.

ETECHNOLOGIES

Course: 896

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: None

eTechnologies is a course designed for those students who need an introductory class in technology before taking other technology electives. Students will discover and develop personal and professional skills through the exploration of Web 2.0 technologies such as Social Media, video and presentation-making skills, web-based web development, photo-editing, presentations, and simple computer programming. This course is designed to be an introductory course for Web Design, Computer Programming and other technology-based courses. Career options in information technology (IT) will also be reviewed. This course is the gateway to many other IT pathway courses.

YOUTH APPRENTICESHIP

Course: 993 or 994

Credit: 1 per year

Duration: Year

Grades 11-12

Pre-Req: Junior Standing, application form
and instructor's consent

Fee: None

For more information, please see page 14.

Juniors should sign up for course #993

Seniors should sign up for course #994

ENGLISH COURSES

Freshman: English I Foundations, English I R or English I H

(1 credit required)

Semester Electives

1. Speech I
2. Drama
3. Advanced Drama
4. Creative Writing

Sophomore: English II Foundations, English II R, English II H or Advanced Placement English Language/US History

(1 credit required)

Semester Electives

1. Speech I
2. Drama
3. Advanced Drama
4. Creative Writing

Junior: English III Foundations, English III R, English III H, AS Oral & Interpersonal Communications, AP English: Language & Composition Honors or AP English Language/US History

(1 credit required)

Semester Electives

1. Speech I
2. Drama
3. Advanced Drama
4. Creative Writing

Senior: Students must choose one of the following year-long courses or two of the semester courses:

(1 credit required)

Year-long Courses

1. AP English: Literature and Composition PS
2. AP English: Language and Composition PS
3. English IV Contemporary Literature
4. AS Written Communication PS
5. AS Oral and Interpersonal Communication
6. English IV Foundations
7. English Composition H

Semester Electives

1. Speech I
2. Drama
3. Creative Writing
4. Advanced Drama

ENGLISH COURSES

ENGLISH I FOUNDATIONS

Course: 400
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Teacher/Counselor
Recommendation
Fee: None

Meeting deadlines and demonstrating personal responsibility are critical expectations, as students develop life-long qualities in becoming successful students. Students will study short stories, the novel, nonfiction, and poetry, utilizing note-taking strategies to develop skills to track literary elements used across all units of study, for vocabulary enrichment, and to infer the main idea, author's purpose, and audience. Using the writing process, students will produce creative and expository writing. Additionally, students will conduct independent formal and informal research to produce unit projects which will be presented orally, demonstrating sound public speaking skills. Students in this course will be mindful of their ultimate goal of building reading skills and improving reading levels to eventually leave the essentials track. This course focuses on increasing core area skills of reading, writing and thinking in students who struggle academically. Placement in this course is made using multiple measures of student achievement.

ENGLISH I

Course: 401
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Meeting deadlines and demonstrating personal responsibility are critical expectations, as students develop life-long qualities in becoming successful students. Students will study short stories, the novel, nonfiction, and poetry, utilizing note-taking strategies to develop skills to track literary elements used across all units of study, for vocabulary enrichment, and to infer the main idea, author's purpose, and audience. Using the writing process, students will produce creative and expository writing. Additionally, students will conduct independent formal and informal research to produce unit projects which will be presented orally, demonstrating sound public speaking skills.
NOTE: This is a NCAA approved course.

ENGLISH I HONORS

Course: 402
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Students will study various genres of literature, including choice books and articles while utilizing note-taking strategies to track literary elements used across all units of study to examine literary elements, make connections, and identify the main idea, key supporting details, and purpose. Using the writing process, students will produce creative, expository, and analytical writing. Students will also eliminate redundancy while writing for a specific purpose using succinct language and smooth transitions. Additionally, students will conduct independent formal and informal research to produce multi-genre projects which will be presented orally, demonstrating sound public speaking skills.
REQUIREMENTS: Independent reading, personal responsibility and participation in class discussion is expected. Formal and informal research projects are required.
NOTE: This is a NCAA approved course.

ENGLISH II FOUNDATIONS

Course: 405
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: English I Foundations and/or
teacher recommendation
Fee: None

Develop writing, and practice critical thinking and discussion in a class suited to skills and learning style. Read short stories, novels, poetry and drama from writers around the world. Increase research and note taking skills. Write the I-Search paper.

ENGLISH COURSES

ENGLISH II

Course: 406
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: English I
Fee: None

Focus on the craft of writing, both through practice and through analysis of nonfiction pieces and novel study. Students will read a wide-ranging variety of nonfiction: essays, speeches, articles, op-ed, cartoons, etc. Topics will be drawn from global perspectives and will center on the themes of the Reading/Writing Connection, Building Relationships, Ongoing Social Issues/Criticism, Understanding Self, Independence and Freedom, and Of Myself and Others. Students will understand how professional writers use language to convey ideas and students will apply those same language ideas to their own writing. Students will continue to develop analytical reading and writing skills. Students will study research skills in terms of bias, summary writing, and paraphrasing and quotation skills.

NOTE: This is a NCAA approved course.

ENGLISH II HONORS

Course: 407
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Teacher Recommendation strongly encouraged
Fee: None

Students taking this class are to be highly motivated and have strong English skills which will be further developed at an accelerated pace. Meeting deadlines and demonstrating personal responsibility while independently reading assigned literature and composing assigned written responses are critical expectations, as students develop life-long qualities in becoming successful students.

Focus on the craft of writing, both through practice and through analysis of nonfiction pieces and novel study. Students will read a wide-ranging variety of nonfiction: essays, speeches, articles, op-ed, cartoons, etc. Students will understand how professional writers use language to convey ideas and students will apply those same language ideas to their own writing. Students will continue to develop analytical reading and writing skills. Students will complete an academic research paper in this course.

REQUIREMENTS: Independent reading, personal responsibility, and participation in class discussion is expected.

NOTE: This is a NCAA approved course.

ENGLISH III FOUNDATIONS

Course: 410
Credit: 1
Duration: Year
Grades: 11-12
Pre-Req: English II Foundations and/or teacher recommendation
Fee: None

This course is intended for juniors who need a modified English course. The goal of the course will be to prepare students in the areas of reading, writing, speaking, listening, teaming, and using media and technology for the English courses required at a technical/two-year school or for those students going directly into the work force.

ENGLISH III

Course: 411
Credit: 1
Duration: Year
Grades: 11-12
Pre-Req: English II
Fee: None

This is a third-year course in English at the high school level. Students will refine and extend their writing skills. In addition, students will read some of the influential writers of the American canon and examine their subsequent impact on culture. Students in the English III R will read a minimum of six texts, and students in English III H will read a minimum of seven texts. All students will write a minimum of six essays.

NOTE: This is a NCAA approved course.

ENGLISH COURSES

ENGLISH III HONORS

Course: 412

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: English II

Fee: None

This is a third-year course in English at the high school level. Students will refine and extend their research, presentation, group communication, and writing skills and work on the creative process for improving writing, speaking, and discussion skills. In addition, students will read some of the influential writers of the American canon and examine their subsequent impact on culture, as well as voices who are considered shadow narratives in American culture (marginalized groups). Students in the English III H will read a minimum of five texts or various genres and literary movements, in addition to studying an American Drama, poetry, scholarly articles and short story samples. All students will write a minimum of four essays of varying styles and points of view. Special emphasis is also placed on career planning, including writing a resume, preparing for the ACT, researching colleges, and examining college application requirements.

REQUIREMENTS: Read 7-8 novels during the course of the year. Most of this reading will be done outside of class. Write 3 essays/papers per quarter. Participation in class is mandatory.

NOTE: This is a NCAA approved course.

AS ORAL & INTERPERSONAL COMMUNICATION PS

Course: 413

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior Standing

Fee: None



This course focuses upon developing, speaking, verbal and non-verbal communication and listening skills for the workplace. Students will apply learning targets and course competencies through individual presentations, group activities and other projects. Presentations and projects could address careers including but not limited to health, business, automotive, construction, computers, and accounting. Students will also gain experience with reading visuals including but not limited to flow charts, blueprints, maps (road, meteorological, topographical, etc.), charts as well as technical manuals such as Mitchell, Chilton, etc.

NOTE: After completing this course with a “B” or better, students will be eligible for concurrent enrollment credit at MSTC of Marshfield, WI.

ENGLISH COMPOSITION HONORS

Course: 417

Credit: 1

Duration: Year

Grades: 12

Pre-Req: Senior Standing and teacher recommendation

Fee: None

English Composition is for the motivated student who wants to prepare to write for college. Students will focus on techniques of composition with an emphasis on academic writing, applicable across disciplines. The writing process—researching, prewriting, drafting, editing, conferencing, and revising—will be emphasized. Essays may include: College Application, Cause/Effect, Definition, Division and Classification, Process Analysis, Compare/Contrast, and Persuasive. Students will prepare for college placement exams by studying grammar, mechanics, and usage. Students will also be required to read a nonfiction book and write a critical review each quarter.

NOTE: This is a NCAA approved course.

ENGLISH IV CONTEMPORARY LITERATURE

Course: 419

Credit: 1

Duration: Year

Grades: 12

Pre-Req: Senior Standing

Fee: None

This course is designed for high school seniors entering college, technical college, or the workforce after high school. Students will assess and analyze a variety of material, including novels, plays, poetry, essays, short stories, articles, and films. Emphasis will be placed on evidence-based writing and critical thinking skills utilized during analysis. Students can expect to read, write, and develop skills that are directly applicable to life after high school. This course would be the equivalent of a senior regulars English course, geared towards preparing students in the areas of reading, writing, speaking, listening, and teaming for English courses required at a technical/two year school, a four year university, or for students going directly into the work force. Students will continue to develop analytical reading and writing skills. Students will complete an academic research paper in this course.

NOTE: This is a NCAA approved course.

ENGLISH COURSES

ENGLISH IV FOUNDATIONS

Course: 420

Credit: 1

Duration: Year

Grades: 12

Pre-Req: Teacher and/or Counselor

Recommendation

Fee: None

This course is intended for seniors who need a modified English class. The goal of the course will be to prepare students in the areas of reading, writing, speaking, listening, teaming, and using media and technology for the English courses required at a technical/two-year school or for those students going directly into the work force.

AP ENGLISH: LITERATURE & COMPOSITION PS

Course: 425

Credit: 1

Duration: Year

Grades: 12 and a willingness and ability to work diligently at an increased pace with rigorous materials.

Pre-Req: Senior Standing

Fee: None

Participate in advanced work in the areas of close reading, critical thinking, literary analysis, discussion, writing, and advanced-placement-style objective examinations. This course requires in-depth reading and discussion of several texts (including choice novels deemed appropriate for college bound students) drawn from multiple genres, periods, and cultures. Writing instruction will promote developing a defensible claim, clear ideas, and textual support. Attention to diction and vocabulary, as well as to stylistic maturity will also be emphasized.

REQUIREMENTS: Independent reading, personal responsibility and participation in class discussion is expected.

NOTE: This is a NCAA approved course.

AP ENGLISH: LANGUAGE & COMPOSITION PS

Course: 426

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore Standing

Fee: None

Read and examine a minimum of seven texts including novels, dramas, and nonfiction. Also, expect to read and analyze a wide variety of short stories and essays, with an emphasis on satire. Course work emphasizes process writing first semester and then practice of written analysis under timed conditions during second semester. Applications will ask student to:

- examine and evaluate denotation and connotation of diction.
- identify and apply conventions in writing including:
 - a balance of generalization and specific illustrative detail.
 - a variety of sentence structures, including appropriate and effective use of subordination and coordination.
 - an organizational strategy enhanced by techniques such as thesis statements, topic sentences, transitions, and consistent point-of-view.
 - application of standardized American grammar, usage, and mechanical conventions.
- analyze how diction, syntax, and figurative language develop tone and reveal purpose.
- interpret complex prose.

Students are offered the opportunity to purchase trade books so students may annotate and index. Students do not have to purchase the texts since there are copies available; however, students may not write in these copies. The cost of the trade books varies due to publisher price increases. Checks should be made to Marshfield High School.

*Course Fees: All students in this course are strongly urged to take the Advanced Placement Examination for college credit.

REQUIREMENTS: Read and analyze a minimum of seven texts. Write at least three to four essays per quarter.

NOTE: This is a NCAA approved course.

CREATIVE WRITING

Course: 428

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: None

Use the writing process to create poetry, personal narrative, short story, character sketch, personal essay, dialogue, oral interpretation and criticism. Study and create pieces that focus on specific literary elements to build strong overall pieces. Learn to critique others, edit and publish. Create and present a writing portfolio. This is a course for the creative student who wishes to grow as a writer, and is willing to experiment with new writing styles and content.

NOTE: This is a NCAA approved course.

ENGLISH COURSES

AS WRITTEN COMMUNICATION PS

Course: 431
Credit: 1
Duration: Year
Grades: 12
Pre-Req: Senior Standing
Fee: None



Develop writing skills which include prewriting, drafting, revising, and editing. Students write a minimum of 10 assignments including an academic research paper. Assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content related to career interests. Grammar and mechanics are also studied throughout the year.

NOTE: This is a NCAA approved course.

DRAMA

Course: 437
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

So much more than acting, this course will provide a broad overview of what constitutes “drama” and “theatre.” Learn about the roots and rich history of theatre; experience the basics of acting, including warm-up routines, acting exercises, and how to create character. Become familiar with the spectrum of theatre study and careers in theatre. Understand the technical components of theatre production and gain insight into theatre’s counterparts, including radio, film, and television. Expect a mix of textbook study, on-your-feet participation activities, current articles, and video clips that bring the theatre world to the classroom.

ADVANCED DRAMA H

Course: 438
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: Successful completion of Drama (437) at least one semester prior or instructor’s consent
Fee: None

Encounter an in-depth study of performance and musical theatre, and learn about the technical aspects of lighting, sound, construction, design, costuming, stage management, prop creation, script analysis and music study. This course offers students the opportunity to delve deeper into elements of the theatre that were only briefly discussed in Drama and discover an interest area that will allow the student to perform a project-based assessment within the theatre. Students will also research a specific show of interest, apply dramaturgy to the script, and assist with the musical/play after passing safety protocol with sound/lights and construction.

SPEECH I: INTRODUCTION TO SPEAKING

Course: 440
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

What is communication? In this course, gain experience in and control of informal, formal, and nonverbal communication:

- Learn and practice the essentials of speech building and delivery.
- Practice the art of listening and become a more discerning evaluator of public and mass communication.
- Recognize the role of personal speeches and learn how to handle speech anxiety.
- Develop audience awareness and their role in the relationship between message and receiver.
- Find your voice through informative, persuasive, and occasion-based speech activities.
- Discover the art of speech as a social experience.

Know that speech writing and delivery are absolute expectations; this is not a class for the passive learner.

NOTE: This is a NCAA approved course.

MTSS READING INTERVENTION

Course: 445
Credit: ½ or 1
Duration: Semester or Year
Grades: 9-12
Pre-Req: This course is for students who have been identified by district screening measures
Fee: None

This Course is a Tier 2 intervention in which students will learn skills and strategies designed to support deficiencies in their reading skills. This course will emphasize the mastery and use of transferable reading strategies and skills that students may use with reading material from any of their content-area courses. The course will begin with an assessment to determine which areas of students’ reading skills need the most support. Lessons and skills taught will be centered on the results of assessment data and student-identified interests and needs.

FAMILY & CONSUMER SCIENCES

CAREGIVING AND COMMUNITY

Course: 780
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Create a more caring school, community and society for youth, special needs people and senior adults. Observe and interact with people in the Tiny Tiger Intergenerational Center while learning the meaning of “giving” and “caring”.

CONNECTING GENERATIONS

Course: 781
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Gain knowledge of working with individuals from age 1 to 100, while investigating how aging affects people and their families. Identify the benefits of intergenerational care and spend time interacting with children and their “grandfriends” in the Tiny Tiger Intergenerational Center.

FOOD, FAMILY & SOCIETY

Course: 782
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$10

Why do we eat what we eat? Understand food-related concerns such as providing for your family, availability, nutrition and the impact of food on our society. Investigate common misconceptions about food consumption and be involved in food labs.

NOTE: In this course students may be exposed to peanuts, tree nuts and other food allergens

FOOD SCIENCE

Course: 783
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$10

Do you know what you are eating? In this course, students will analyze the composition of food, take the opportunity to evaluate the effects of food on our bodies as well as form conclusions about nutrition-related claims in the media. Students will participate in weekly food lab experiences.

NOTE: In this course students may be exposed to peanuts, tree nuts and other food allergens

FOOD AND HOSPITALITY

Course: 784
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$10

Gain knowledge of and practice the skills necessary for success in the food service industry by participating in food service simulations while developing skills needed for the workplace. Young adults in this course will also develop the problem-solving skills that are needed to become resourceful food service employees while examining trends that affect the hospitality industry.

NOTE: In this course students may be exposed to peanuts, tree nuts and other food allergens

CAREER PATHWAYS

Course: 785
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Practice “soft” skills such as honesty, respect, and responsibility, interact with post-secondary educators and professionals and investigate career options in 16 career pathways. Thoughtful reflection and career exploration will result in decision making skills that will be beneficial when students select continuing education and career options.

FAMILY & CONSUMER SCIENCES

FAMILY DYNAMICS

Course: 786

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: None

Investigate answers to these questions: What does “family” mean? What is your role as a family member? How can you better cope with a crisis and its effects on the family? Gain a better understanding of family related concerns.

DC PARENTS AND CHILDREN PS

Course: 788

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing

Fee: None



Establish healthy parent-child relationships, explore the responsibilities of parenting, and gain the skills necessary to make one of the most important decisions of life. Young adults in this course will also develop the problem-solving skills that are needed to become resourceful, responsible parents.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Infant & Toddler Development #10307151, 3 credits

FUTURE TEACHER INTERNSHIP

Course: 789

Credit: 1

Duration: Semester

Grades: 12

Pre-Req: Senior Standing, Careers with Kids (790) or instructor consent; current with all credits & graduation requirements (minimum UW admission requirements), minimum of 3.0 GPA

Fee: None

Students will have the opportunity to work with a teacher(s) in various classroom settings to investigate career options in the Education and Training Career Cluster – Teaching/Training Pathway. Students will have a two-period assignment, four days a week for a semester to work in an assigned classroom. The fifth day will be for students to attend seminars on tutoring, applying to the university, collaborating with other future teacher interns, learning about professional organizations and professional learning communities, interacting with students, collaborating with mentor teacher(s), and meeting program learning targets.

DC CAREERS WITH KIDS PS

Course: 790

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior Standing or age 17 at the beginning of the school year.

Fee: None



Learn about a variety of careers working with young children. Gain knowledge of child development and practice skills in child-care and guidance. Plan and implement activities with children in the Tiny Tiger Intergenerational Center. Students will earn the Assistant Child Care Teacher certificate which is necessary for employment in a childcare facility. Students will also earn certificates for SIDS, SBS, Mandated Reporter and Darkness to Light training.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Health, Safety, and Nutrition #10307167, 3 credits & Foundations of Early Childhood #10307148, 3 credits.

DC MEDICAL TERMINOLOGY PS

Course: 793

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore Standing

Fee: None



Gain knowledge of medical terminology while learning the operative, diagnostic, therapeutic and symptomatic terminology of all body systems.

NOTE: This course is required for Health Career Connections which is application and interview dependent with limited space.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Medical Terminology #10501101, 3 credits.

FAMILY & CONSUMER SCIENCES

CONSUMER AND PERSONAL FINANCE

Course: 794
Credit: ½
Duration: Semester
Grades: 11-12
Pre-Req: Junior Standing
Fee: None

Through a series of simulations, projects, and teamwork activities, students will prepare for their personal lives while becoming economically responsible. Areas of study will include fundamental economics concepts, personal financial planning; financial pitfalls, budgeting, income and money management (checking, savings, money market accounts), spending, mortgages, student loans, credit and debt management, asset/insurance protection, financial statements, payroll, retirement planning, taxation, consumer practices and purchases: rights, responsibilities and decision-making processes. In each unit of the course, essential math and literacy skills will be emphasized.

NOTE: This course is required for graduation.

HEALTH CAREER CONNECTIONS

Course: 796
Credit: 3
Duration: Year
Grades: 12
Pre-Req: Senior Standing, successful completion of Medical Terminology (793), Medical Professionalism (797) and Anatomy & Physiology (113 or 114) and program acceptance after application/interview.
Fee: None

Health Career Connections offers internships designed to familiarize students with the various careers in the medical profession. Students will learn skills necessary for their health care career pathway. In addition to working with others, students will learn about the legal and ethical responsibilities, and cultural considerations in the health care industry. Students intending to enroll in Health Career Connections should register for DC Medical Terminology (793), Medical Professionalism (797), and Anatomy and Physiology (113 or 114) in their junior year. Nursing Assistant certification will be required between junior and senior year through the technical college system.

NOTE: To apply for Health Career Connections you must complete a program application and interview with employers at the beginning of your junior year.

MEDICAL PROFESSIONALISM R

Course: 797
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

In this course, students approach specific issues in biomedical ethics by making use of theories and applying them to the real world. We will explore career options and pathways specific to the healthcare industry. Students will examine the ethical and social issues surrounding the practice of medicine, in particular the relationship between patient and healthcare provider. This course is required for many allied health programs at MSTC.

NOTE: This course is required for Health Career Connections which is application and interview dependent with limited space.

INTERNSHIP

Course: 798
Credit: 2
Duration: Year
Grades: 12
Pre-Req: Senior Standing and employment
Fee: None

This course is designed to prepare learners for the process of gaining and maintaining employment. Learners assess their personal background; practice finding career opportunities through the job search process; develop a cover letter, resume, thank you letter, and complete a job application; participate in a mock interview; and demonstrate how to deal with interpersonal situations found in a work environment.

NOTE: Membership in FCCLA is encouraged.

SPORTS MEDICINE INTERNSHIP

Course: 799
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Grade of B or better in Summer School Sports Medicine I (048) taken the summer before you begin the class, completion of an interview with Sports Medicine I instructors, and maintain a 3.0 GPA.
Fee: None

Volunteer as an Athletic Training Student Aide for 60 hours at athletic games and practices. During your volunteer hours, you will be assisting the Licensed Athletic Trainer (LAT) in caring for injured athletes, monitoring rehabilitation exercises as directed by the LAT, preparing medical kits, and reviewing/maintaining medical records. Course requirements include a log of 60 hours, journal entries, performance cards, and evaluations with a Licensed Athletic Trainer.

FAMILY AND CONSUMER SCIENCES

YOUTH APPRENTICESHIP

Course: 993 or 994

Credit: 1 per year

Duration: Year

Grades: 11-12

Pre-Req: Junior standing, application form
and instructor's consent

Fee: None

For more information, please see page 14

Juniors should sign up for course #993

Seniors should sign up for course #994

HUMAN SERVICES ACADEMY

HSA is a unique opportunity for students to participate in the daily activities of community non-profit agencies and interactions with people of all ages.

This is a multi-year educational program that integrates advising with technical instruction in the human service fields. Courses meet in the Tiny Tiger Intergenerational Center and include: Career Pathways, Caregiving & Community, Careers with Kids, Connecting Generations and Internship.

MATHEMATICS COURSES

TYPICAL MATH PATHWAYS

MARSHFIELD GRADES 7-12

Technical College, Strong Preparation

7- Grade 7 Math
8- Grade 8 Math
9- Algebra 1 R/H
10- Geometry R/H
11- Algebra 2 R/H
12- Math 107 H then Math 118 PS or AS Technical Math

Technical College, Typical Preparation

7- Grade 7 Math
8- Grade 8 Math
9- Algebra 1 R
10- Geometry R
11- Algebra 2 R
12- AS Technical Math

Technical College, Minimum Preparation

7- Grade 7 Math
8- Grade 8 Math
9- Pre-Algebra
10- Customized Algebra 1 or Algebra 1 R
11- Customized Geometry or Geometry R
12- Customized Algebra 2 or AS Technical Math

These pathways are examples of the sequencing of math classes, and are intended as a guide in planning course selection. Other pathways are possible. Please consult a counselor or math instructor if you have questions.

Four Year University, Strong Preparation-Option 1

7- Grade 7 Advanced Math
8- Algebra 1
9- Geometry R/H
10- Algebra 2 R/H
11- Pre-Calculus H AB/BC and/or AP Statistics PS
12- AP Calculus PS AB/BC and/or AP Statistics PS

Four Year University, Strong Preparation-Option 2

7- Grade 7 Advanced Math or Grade 7 Math
8- Grade 8 Advanced Math or Grade 8 Math
9- Algebra 1 R/H
10- Geometry R/H and Algebra 2 R/H
11- Pre-Calculus H AB/BC and/or AP Statistics PS
12- AP Calculus PS AB/BC and/or AP Statistics PS

Four Year University, Typical Preparation

7- Grade 7 Math
8- Grade 8 Math
9- Algebra 1 R/H
10- Geometry R/H
11- Algebra 2 R/H
12- Math 107 H then Math 118 PS or Pre-Calculus H AB/BC

Four Year University, Minimum Preparation – Option 1

7- Grade 7 Math
8- Grade 8 Math
9- Algebra 1 R/H or Customized Algebra 1 R
10- Geometry R/H or Customized Geometry R
11- Algebra 2 R/H or Customized Algebra 2 R
12- AS Technical Math

Four Year University, Minimum Preparation – Option 2

7- Grade 7 Math
8- Grade 8 Math
9- Pre-Algebra
10- Algebra 1 R or Customized Algebra 1 R
11- Geometry R or Customized Geometry R
12- Algebra 2 R or Customized Algebra 2 R

MATHEMATICS COURSES

PRE-ALGEBRA

Course: 201

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Grade 8 Math and instructor's recommendation

Fee: None

Pre-Algebra is designed to meet the needs of students who benefit from personalized pathways and multiple instructional strategies in the classroom. Students learn Pre-Algebra standards with the help of tailored instruction, computerized resources, mini-seminars, and a teacher serving the facilitator and coach in a flexible learning environment. The primary instructional tool will be an online resource allowing students flexibility to demonstrate proficiency in objectives, in a self-paced environment. Additional supplemental resources are determined and used to help all students become successful in demonstrating proficiency.

NOTE: A calculator is required for this course

CUSTOMIZED ALGEBRA 1

Course: 202

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Grade 8 Math or Pre-Algebra (201) or instructor's recommendation

Fee: None

Customized Algebra 1 is designed to meet the needs of students who benefit from personalized pathways and multiple instructional strategies in the classroom. Students learn Algebra 1 standards with the help of tailored instruction, computerized resources, mini-seminars, and a teacher serving the facilitator and coach in a flexible learning environment. The primary instructional tool will be an online resource, allowing students flexibility to demonstrate proficiency in objectives, in a self-paced environment. Additional supplemental resources are determined and used to help all students become successful in demonstrating proficiency.

NOTE: A calculator is required for this course.

NOTE: This is a NCAA approved course.

CUSTOMIZED GEOMETRY

Course: 203

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Customized Algebra I (202) or instructor's recommendation

Fee: None

Customized Geometry is designed to meet the needs of students who benefit from personalized pathways and multiple instructional strategies in the classroom. Students learn Geometry standards with the help of tailored instruction, computerized resources, mini-seminars, and a teacher serving the facilitator and coach in a flexible learning environment. The primary instructional tool will be an online resource, allowing students flexibility to demonstrate proficiency in objectives, in a self-paced environment. Additional supplemental resources are determined and used to help all students become successful in demonstrating proficiency.

NOTE: A calculator is required for this course.

NOTE: This is a NCAA approved course.

CUSTOMIZED ALGEBRA 2

Course: 204

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Customized Geometry (203) or instructor's recommendation

Fee: None

Customized Algebra 2 is designed to meet the needs of students who benefit from personalized pathways and multiple instructional strategies in the classroom. Students learn Algebra 2 standards with the help of tailored instruction, computerized resources, mini-seminars, and a teacher serving the facilitator and coach in a flexible learning environment. The primary instructional tool will be an online resource, allowing students flexibility to demonstrate proficiency in objectives, in a self-paced environment. Additional supplemental resources are determined and used to help all students become successful in demonstrating proficiency.

NOTE: A calculator is required for this course.

NOTE: This is a NCAA approved course.

ALGEBRA 1

Course: 205

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Grade 8 Math or Pre-Algebra (201)

Fee: None

Develop the algebraic concepts and skills necessary for further math study. Use properties to evaluate expressions and operations on polynomials. Writing, solving and graphing linear equations and inequalities using multiple representations. Solving systems of linear equations and quadratic equations using multiple representations.

NOTE: A calculator is required for this course. It may be a scientific or graphing calculator.

NOTE: This is a NCAA approved course.

MATHEMATICS COURSES

ALGEBRA 1 HONORS

Course: 206

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Grade 8 Advanced Math or a grade of at least a "B" in Grade 8 Math

Fee: None

Develop the algebraic concepts and skills necessary for further math study. Use properties to evaluate expressions and operations on polynomials. Writing, solving and graphing linear equations and inequalities using multiple representations. Solving systems of linear equations and quadratic equations using multiple representations. This course will cover much of the same material as Algebra 1, but in more depth and at an accelerated pace. Additional topics will be included.

REQUIREMENTS: This course is for the student with skills and motivation to take on an accelerated and more rigorous Algebra curriculum. Students are expected to participate in class and complete daily assignments. Considerable amount of time on homework is expected outside of class.

NOTE: A calculator is required for this course. It may be a scientific or graphing calculator.

NOTE: This is a NCAA approved course.

ALGEBRA 2

Course: 207

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Geometry R (211) or Geometry H (212) or Customized Geometry R (203)

Fee: None

This course involves the study of linear functions, complex numbers, absolute value equation, systems of equations, quadratic equations and functions, polynomial equations and functions, inverses and radical functions, exponential and logarithmic functions, rational functions, trigonometric functions, conic sections, sequence and series, probability, and statistics.

NOTE: A graphing calculator is highly recommended.

NOTE: This is a NCAA approved course.

ALGEBRA 2 HONORS

Course: 208

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Geometry H (212) or instructor's consent

Fee: None

This course involves the study of linear functions, complex numbers, absolute value equation, systems of equations, matrices, quadratic equations and functions, polynomial equations and functions, inverses and radical functions, exponential and logarithmic functions, rational functions, trigonometric functions, conic sections, sequence and series, probability, and statistics.

REQUIREMENTS: This course is for the student with skills and motivation to take on an accelerated and more rigorous Algebra 2 curriculum. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

MATH 107 INTERMEDIATE ALGEBRA H

Course: 209

Credit: ½

Duration: Semester

Grades: 12

Pre-Req: Senior Standing and completion of three credit of high school math

Fee: None



Emphasizes algebraic techniques with polynomials, rational expressions, exponents and radicals, linear and quadratic equations, and inequalities. Introduction to functions, their graphs and analytic geometry.

NOTE: This is only offered in the fall semester. All students who sign up for this course may sit for the UW System placement test in Mathematics to place into Math 118. This course will help students prepare for the UW System placement test in mathematics. This class meets for one semester.

NOTE: A scientific calculator and a graphing calculator are required for this course.

NOTE: This is a NCAA approved course

MATHEMATICS COURSES

DC MATH 118 PRECALCULUS ALGEBRA PS

Course: 210

Credit: ½

Duration: Semester

Grades: 12

Pre-Req: Senior standing and completion of three credits of high school math and Math 107 H (209) or teacher recommendation

Fee: See course description



Definition of function; linear and non-linear functions and graphs including logarithmic and exponential functions; systems of linear equations; theory of polynomial equations and optional topics such as mathematical induction, matrix solution of linear systems and

Cramer's rule. Course fees: If second attempt is necessary for UW-Placement Exam, estimated cost is \$30.

NOTE: This is only offered in the spring semester. Students must have tested into Math 118 through the UW Math Placement Exam in order to take Math 118 for college credit. Students may opt to take Math 118 solely for high school credit under the UW grading policy.

NOTE: A scientific and a graphing calculator are required for this course.

NOTE: This is a NCAA approved course.

GEOMETRY

Course: 211

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Customized Algebra 1 (202), or Algebra 1R (205) or Algebra 1H (206).

Fee: None

Use geometric terminology and notation to describe 2-D and 3-D objects. Apply properties of polygons and circles. Use formulas to calculate length, angle measure, midpoint, slope, area, and volume. Reason proportionally and solve trigonometric equations. Use the coordinate plane to characterize geometric properties.

NOTE: A calculator is required for this course. It may be a scientific or graphing calculator.

NOTE: This is a NCAA approved course.

GEOMETRY HONORS

Course: 212

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Algebra 1 H (206) or a grade of at least "B" in Algebra 1R (205).

Fee: None

Learn plane and solid geometry, apply theorems while developing logical reasoning and problem solving through original proofs, non-routine problems and an introduction to analytic geometry. Theory is emphasized.

REQUIREMENTS: This course emphasizes the theory of geometric concepts. Students will examine and write proofs frequently. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class.

NOTE: A calculator is required for this course. It may be a scientific or graphing calculator.

NOTE: This is a NCAA approved course.

PRE-CALCULUS AB HONORS

Course: 218

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Algebra 2 H (208) or consent of Algebra 2 R (207) instructor, or consent of Customized Algebra 2 (204) instructor

Fee: None

Prepare for AP Calculus AB (221). Emphasis will include: trigonometry, analytic geometry, mathematical functions, limits and elementary concepts of calculus.

REQUIREMENTS: This rigorous course prepares students for AP Calculus AB. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

PRE-CALCULUS BC HONORS

Course: 219

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Algebra 2 H (208) or recommendation of instructor

Fee: None

Prepare for AP Calculus BC (222). Topics include trigonometry, analytic geometry, functions, limits, and derivatives.

REQUIREMENTS: This course prepares students for AP Calculus BC and covers several chapters of Calculus material. Its pace is more accelerated than Pre-Calculus AB. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

MATHEMATICS COURSES

AP CALCULUS AB PS

Course: 221

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Pre-Calculus AB H (218) or Pre-Calculus BC H (219)

Fee: None

Study limits, derivatives, and integrals. After learning techniques of differentiation, apply derivatives to function analysis, rates of change, and optimization. After learning techniques of integration, use integrals to find areas, volumes, displacement, and net change. Examine slope fields and significant mathematical theorems. This course is equivalent to one semester of college calculus and up to 5 college credits may be earned if you are successful on the AP exam.

REQUIREMENT: This is a college level course that covers the material of one college semester of calculus. Students should have a strong foundation of math skills from prerequisite courses. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class. Students are expected to memorize formulas and unit circle values.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

AP CALCULUS BC PS

Course: 222

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Pre-Calculus BC H (219)

Fee: None

This course covers all the topics of AP Calculus AB (221) and more. After mastering more complex techniques of integration, apply concepts to polar and parametric equations. Investigate the convergence of infinite series, and construct Taylor Polynomials. This course is equivalent to two semesters of college calculus, and up to 10 college credits may be earned if you are successful on the AP exam.

REQUIREMENTS: This is a college level course that covers the material of two college semesters of calculus. Content is covered at a brisk pace. Students should have a strong foundation of math skills from prerequisite courses. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class. Students are expected to memorize formulas and unit circle values.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

AP STATISTICS PS

Course: 223

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Algebra 1 (205 or 206), Geometry (211 or 212) and Algebra 2 (207 or 208)

Fee: None

This Advanced Placement course is taught as an activity-based course in which students actively construct their own understanding of the concepts and techniques of statistics. Student questions are encouraged and tend to be an extension to the given topic.

Note: This is a college level course that covers the material of one college semester of statistics. Students should have a strong foundation of math skills from prerequisite courses. Students are expected to participate in class, complete daily assignments, projects, quizzes and tests. Considerable amount of time on homework is expected outside of class.

NOTE: A graphing calculator is required for this course.

NOTE: This is a NCAA approved course.

AS TECHNICAL MATH PS

Course: 227

Credit: 1

Duration: Year

Grades 12

Pre-Req: Senior Standing and completion of three credits of high school math

Fee: None



This course is comparable to the (first general math) course offered at Mid-State Technical College called Intermediate Algebra with Applications. Students will earn Wisconsin Technical College Advanced Standing with a B or better both semesters of this course. Topics to be covered will include: real numbers; solving linear, quadratic and rational expressions; percent, proportions and variation; functions and graphs; formula rearrangement; operations with polynomials; and solving systems of equations. Emphasis will be on the application of skills to technical problems.

NOTE: This course will also help students to prepare for a Math College Placement Exam.

NOTE: A calculator is required for this course. It may be a scientific or graphing calculator.

MATHEMATICS COURSES

MTSS MATH INTERVENTION

Course: 230

Credit: $\frac{1}{2}$ of 1 (Elective)

*Does not count as a math credit

Duration: Semester or Year

Grades: 9-12

Pre-Req: This course is for students who have been identified by district screening measures

Fee: None

This course is a Tier 2 Intervention designed for students who lag well behind their peers, and demonstrate weak progress on screening measures. The course will begin with an assessment to determine what skills each student needs to focus on. Students will receive individualized instruction and basic skills practice in areas of need. Biweekly progress monitoring will be used to make decisions for future skills and content covered.

Note: A calculator is recommended for this course.

MUSIC COURSES

SYMPHONIC BAND

Course: 752
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: See Description
Fee: None

By audition only, with freshman through senior standing, and experience on wind or percussion instrument and/or consent of instructor and band camp prior to the start of the year. Centered around the concert season, perform music for concerts, field shows, parades, solo-ensemble and support of home athletic events. Advance musicianship through lessons and extra-curricular ensembles such as Flute Choir, Saxophone Choir, Woodwind and Brass Choir. Course fee: Students must provide black shoes, black socks, and reeds, which are available for purchase.

WIND ENSEMBLE (BAND)

Course: 750
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: See Description
Fee: None

By audition only, with sophomore through senior standing, and experience on wind or percussion instrument and/or consent of instructor and band camp prior to the start of the year. Centered around the concert season, perform music for concerts, field shows, parades, solo-ensemble and support of home athletic events. Advance musicianship through lessons and extra-curricular ensembles such as Flute Choir, Saxophone Choir, Woodwind and Brass Choir. Course fee: Students must provide black shoes, black socks, and reeds, which are available for purchase.

NOTE: Students wanting honors credit should sign up for Wind Ensemble H (763).

WIND ENSEMBLE HONORS

Course: 763
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: By audition only, with freshman through senior standing
Fee: None

Centered around the concert season, perform music for concerts, field shows, parades, solo-ensemble and support of home athletic events. Advance musicianship through lessons and extra-curricular ensembles such as Flute Choir, Saxophone Choir, Woodwind and Brass Choir. Course Fee: Students must provide black shoes & socks, reeds, which are available for purchase.

REQUIREMENTS: Must play a class "A" solo on the major instrument that you play in Wind Ensemble and a Class "A" ensemble (duet, trio, quartet or quintet). Both works must be performed at the Solo & Ensemble Festival at the district and state level if you qualify.

JAZZ BAND

Course: 757
Credit: ½
Duration: Year
Grades: 9-12
Pre-Req: Concurrent enrollment in Band (750) or Wind Ensemble H (763)
Fee: None

Perform at concerts and community functions. Meeting times will be set by the group for 1½ hours per week outside the school day.

CHAMBER ORCHESTRA

Course: 760
Credit: 1
Duration: Year
Grades: 9-11
Pre-Req: Freshman with prior experience on violin, viola, cello or string bass, and/or instructor's consent. By audition for sophomores and juniors.
Fee: None

Develop skills in the string program. Advanced techniques necessary for Symphonic Strings are addressed. These include advanced bowing styles, upper positions, tone control, three octave scales and ensemble playing. Performances include three full concerts, Concert Festival and Solo & Ensemble Festival.

REQUIREMENT: Combined performance with the symphonic orchestra for the graduation ceremony. Students wanting honors credit should sign up for Chamber Orchestra Honors (764).

MUSIC COURSES

CHAMBER ORCHESTRA HONORS

Course: 764

Credit: 1

Duration: Year

Grades: 9-11

Pre-Req: Freshman, sophomore, or junior standing with prior experience on violin, viola, cello or string bass and/or instructor's consent. Sophomores and juniors by audition.

Fee: None

Develop skills in the string program. Advanced techniques necessary for Symphonic Strings are addressed. These include advanced bowing styles, upper positions, tone control, three octave scales and ensemble playing. The orchestra plays three formal concerts, as well as Concert Festival, Solo & Ensemble Festival and some community events.

REQUIREMENTS: Select, prepare and perform a solo at the District Solo & Ensemble Festival, and State Solo & Ensemble Festival if you qualify. Students must perform in the String Choir for Solo & Ensemble. Attend and critique a professional or semi-professional music concert, assist the elementary orchestra directors with at least three after-school rehearsals each semester. Combined performance with the symphonic orchestra for the graduation ceremony.

SYMPHONIC STRINGS

Course: 758

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Prior experience on violin, viola, cello, or string bass and or instructor's approval. Senior standing with sophomores and juniors place by audition.

Fee: None

Exhibit talents and proficiency on your string instrument performing great symphonic and string orchestra literature. The orchestra plays three formal concerts as well as Concert Festival, Solo & Ensemble Festival and some community events.

REQUIREMENTS: Select, prepare and perform a solo and small ensemble at the District Solo & Ensemble Festival, and State Solo & Ensemble Festival if you qualify. Students must perform in the String Choir for Solo & Ensemble. Attend and critique a professional or semi-professional music concert each semester, assist the elementary orchestra directors with at least three after-school rehearsals each semester. All members perform for the graduation ceremony.

SYMPHONIC STRINGS HONORS

Course: 761

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Prior experience on violin, viola, cello, or string bass and or instructor's approval. Senior standing with sophomores and juniors placed by audition.

Fee: None

Exhibit talents and proficiency on your string instrument performing great symphonic and string orchestra literature. The orchestra plays three formal concerts as well as Concert Festival, Solo & Ensemble Festival and some community events.

REQUIREMENTS: Select, prepare and perform a solo at the District Solo & Ensemble Festival and State Solo & Ensemble Festival if you qualify. Attend and critique a professional or semi-professional music concert each semester, assist the elementary orchestra directors with at least three after-school rehearsals each semester. All members perform for the graduation ceremony.

ORCHESTRA (WINDS) HONORS

Course: 759

Credit: ½

Duration: Year

Grades: 10-12

Pre-Req: Permission of Orchestra Director. Orchestra Winds H members must be members of the band. DO NOT sign up for this class without prior approval from the Orchestra Director

Fee: None

Wind and percussion players are chosen either by audition or the recommendation of the band directors. Wind and percussion players rehearse before school from 7:00-7:45 a.m. two or three days per week. The major concentration is on the performance of great symphonic literature and light classics.

REQUIREMENTS: Performances include: three formal concerts, an elementary school tour, and strings festival. All members play for the graduation ceremony.

****Please note: Band, orchestra and choir are year-long classes. Students must supply their own instrument.**

Students using school instruments and will be charged a \$50 rental fee. Students participating in Solo & Ensemble must purchase their music.

MUSIC COURSES

CHAMBER CHOIR

Course: 773
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Build those music fundamentals for music reading, ensemble blend and balance and vocal production. Literature will consist mainly of four-part choral work. Group may be divided into separate male and female ensembles.

TREBLE CHOIR

Course: 774
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Sophomore standing, unless otherwise approved by the choir director
Fee: None

Build those music fundamentals for music reading, ensemble blend and balance and vocal production. Literature will consist mainly of three-part choral work.

CONCERT CHOIR

Course: 775
Credit: 1
Duration: Year
Grades: 11-12
Pre-Req: Junior Standing, unless otherwise approved by the director and audition.
Fee: None

Mixed voices are sought for tonal balance and performance excellence. Difficult choral literature is used. Performances include Homecoming, winter concert, Solo & Ensemble Festival, spring concert, Pops Concert, graduation and local performances. Madrigal Singers are chosen from this group.

AP MUSIC THEORY

Course: 778
Credit: 1
Duration: Year
Grades: 11-12
Pre-Req: Junior standing and passing of a basic music proficiency assessment during the first week of the course.
Fee: \$40 textbook fee

Delve into the mechanics or technical aspects of music, which lead to understanding of, and working with rhythms, scales, chord structure and four-part harmony. Some piano experience suggested, but not essential. Not for beginners.

REQUIREMENTS: You will sight-sing at level 3, major & minor, part-write in 4 vocal parts according to 17th Century part-writing rules and complete Melodic & Harmonic Dictation – major & minor.

SOUNDSCAPES

Course: 776
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Junior standing or sophomores with instructor consent. Self-motivated students that can follow rubrics and work independently.
Fee: None

Create music, develop melodies, add instruments to a selection or write your own compositions using computer software with electronic keyboards.

****Please note:** Band, orchestra and choir are year-long classes. Students must supply their own instrument. Students using school instruments and will be charged a \$50 rental fee. Students participating in Solo & Ensemble must purchase their music.

PHYSICAL EDUCATION/HEALTH/DRIVERS ED

FIT FOR LIFE

Course: 600

Credit: ½

Duration: Semester

Grades: 9-10

Pre-Req: Open to freshmen, sophomores taking Physical Education for the first time, and transferring sophomores only.

Fee: Fees may apply for field experience

Fit for life is required for graduation and is the building block for other physical education elective courses at MHS. Through this course, students will learn the WHY and HOW a particular physical activity affects their mind, body, and personal health. Students will learn why physical activity and fitness are important to their health & well-being and learn how they can achieve a healthy level of fitness. In this course, student will explore a variety of lifetime activities, dance & rhythms, and fitness activities. Participation in these units will provide students with an opportunity to develop an interest in a variety of physical activities. The major emphasis is placed on the development of attitudes, skills and knowledge necessary for complete enjoyment of lifelong physical activities.

REQUIRED: Appropriate active wear, athletic shoes, and iPad.

PERSONAL TRAINING-PERFORMANCE ENHANCEMENT

Course: 601

Credit: ½

Duration: Semester

Grades 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fee: Fees may apply for field experience

Participants will analyze their current level of fitness, set goals, and develop a personal workout plan to meet those goals. Students will be exposed to a variety of concepts that affect performance, such as Periodization, nutrition, motivational tools, training psychology, and optimal wellness. Activities may include: strength training, endurance conditioning, flexibility training, fitness assessment, goal setting and fitness plan development, nutritional analysis, and sport specific drills to enhance speed, power, agility, balance, core strength, and coordination development. Personal responsibility and daily effort will be assessed with daily logs.

REQUIRED DAILY: Shorts, t-shirt, and athletic shoes (to remain at school), occasionally one-piece swimsuit will be needed.

OUTDOOR PURSUITS

Course: 602

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fee: Fees may apply for field experience

Develop the knowledge and skills necessary to participate in many outdoor fitness, sport, and recreational activities. Outdoor pursuits units include hiking, water games, backpacking, mountain biking, archery, scuba, snorkeling, climbing skating, camping, snow shoeing, winter games, and cross-country skiing.

REQUIRED: Appropriate active wear for weather, including footwear.

ADVENTURE CHALLENGES

Course: 603

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: Fees may apply for field experience

Develop leadership skills as you are taken through a progression of problem-solving, trust, and communication activities to prepare you for advancement to the low and high ropes activities including the Red Rock climbing wall. Learn to set-up/take down the ropes course, spotting and belaying skills, climbing technique, risk management, climbing commands, and safety procedures. Additional units consist of; mountain biking, disc golf, camping, orienteering, archery, fitness activities, and water challenges.

REQUIRED: Appropriate active wear and athletic shoes.

SPORTS CHALLENGE TEAM

Course: 604

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: Fees may apply for field experience

Be a team player! Team sports are competitive, challenging, enjoyable, and provide lots of opportunity for social interaction. Improve your fitness, knowledge, skills, and confidence in a variety of team sports. Rules, strategies, equipment, injury prevention, and sport-specific conditioning/training are discussed in this course. Develop and lead practice sessions as well as conditioning programs. Activities include: Tennis, Softball/Kickball, Ultimate Frisbee/Football, Volleyball, Bowling, Lacrosse, Floor Hockey, Basketball, H2O Sports and Soccer.

REQUIRED: Appropriate active wear and athletic shoes

PHYSICAL EDUCATION/HEALTH/DRIVER'S ED

AQUATICS

Course: 605

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: None

Gain the knowledge, skills, and confidence to safely participate in a variety of aquatic activities in, on, and around water. Activities are water awareness, stroke development, scuba diving, snorkeling, rescue and survival skills, canoeing-kayaking, water games, duathlon-triathlon training, and physical fitness.

REQUIRED: One-piece swim suit, t-shirt, shorts, athletic shoes.

NOTE: An option to take this course for lifeguard certification is available. Sign up for LG Aquatics (LG605). Lifeguard certification also includes CPR & first aid training. Lab fee (\$95). If you are hired by the YMCA, the fee will be fully reimbursed after 100 hours of work.

ULTIMATE CHALLENGE

Course: 606

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: Fees may apply for field experience

Experience some of the more contemporary physical activities that are becoming so popular and that offer physical challenge, enjoyment, creative expression, and social interaction. Activities may be but are not limited to Ultimate Frisbee, Braem Park-disc golf/skate board/BMX/walk/hike/baggo/ultimate tennis, Bowling, Water Sports, Show Shoe/Ski, Ice Hockey, Snow Games, Table Tennis/Baggo, Rock Wall and Asteroids.

REQUIRED: Appropriate active wear, athletic shoes and protective gear (Helmets and protective pads will be provided.)

SPORTS CHALLENGE-INDIVIDUAL/DUAL

Course: 607

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: Fees may apply for field experience

This course will give you an opportunity to experience many lifetime activities that you can do by yourself or with another person. Activities include: Tennis, Disc Golf, Biking, Golf, Bowling, Weight Room, Cross Country Ski/Snow Shoe, Badminton/Table Tennis/Baggo, Spike Ball and Swimming.

REQUIRED: Appropriate active wear and athletic /dance shoes to remain in locker.

MOVEMENT DANCE-GYMNASTICS

Course: 608

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life, and an interest in dance

Fees: Fees may apply for field experience

In this course the learner will have the opportunity to increase health-related physical fitness by participating and exploring a variety of physical activities in dance, gymnastics, and fitness. The learner will experience new and current trends in fitness, nutrition, and stress-management as well as explore dance and gymnastics as forms of physical activity and self-expression. Activities to improve aerobic fitness, muscular fitness, flexibility, and body composition will include but are not limited to: **dance forms** such as creative movement and dance, ballet, modern, ethnic/folk, hip hop, Latin, line, ballroom, social, and square, **gymnastics activities** such as floor exercises, beams, uneven bars, and vaulting, and **fitness activities** such as resistance training, yoga, Zumba, exergaming, TRX, endurance training, and Pilates. By the end of the course the learner will develop competency in dance and gymnastics and understand how to assess and enhance their personal health, reduce risks throughout life, and ultimately experience a healthy lifestyle.

REQUIRED: Appropriate active wear, athletic shoes and iPad.

PERSONAL WELLNESS/GET FIT

Course: 609

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing, Fit for Life

Fees: None

The purpose of the class is to provide a well-rounded exercise program to get “in-shape,” and feel good physically and mentally. Current trends in fitness and wellness will be practiced and studied, from step aerobics, kick-boxing, hip hop aerobics, Pilates, yoga, and learn to safely use a wide array of fitness equipment such as: stability balls, medicine balls, foam rollers, steps, boxes, bands, yoga blocks, body bars, and dumbbells. Develop skills and knowledge necessary to make improvements in your personal wellness and fitness levels.

REQUIRED: Daily: shorts, t-shirt, and athletic shoes (to remain at school), one-piece swimsuit.

PHYSICAL EDUCATION/HEALTH/DRIVER'S ED

BALANCE

Course: 611

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Application must be filled out by deadline and approved by Physical Education staff

Fees: None

This class is intended to provide an individualized daily plan including exercise, nutrition and stress reduction that can be implemented throughout each day. This class is going to be student driven, exercise choices are going to be decided and implemented depending on the interest and needs of each student. A log will be used to assist with daily record keeping for both the exercise and eating requirements, based on individualized goals. Current trends in fitness and wellness will be practiced and studied. Students will learn to safely use a wide array of fitness equipment such as stability balls, medicine balls, foam rollers, exercise steps and boxes, bands, yoga blocks, body bars and dumbbells, along with motorized fitness equipment such as treadmills, bikes and elliptical machines. Students will develop the skills and knowledge necessary to improve a balanced and healthy lifestyle. The teacher will guide the student through the program and provide the encouragement needed to meet individual goals and continued improvement.

REQUIRED: Daily: shorts, t-shirt, and athletic shoes (to remain at school), occasionally one-piece swimsuit will be needed.

HEALTHY CHOICES

Course: 615

Credit: ½

Duration: Semester

Grades: 9-10

Pre-Req: Suggested and preferred for grades 9 and 10

Fees: None

The goal of this course is to provide students with the opportunity to become health literate individuals. Students will gain knowledge and skills to be able to access, understand, appraise, apply and advocate for health information and services. Learning opportunities will challenge students to use critical thinking, decision making and problem-solving skills to promote and maintain lifelong health and wellness to enhance their own health and the health of others.

NOTE: This course is required for graduation.

DRIVER EDUCATION

Course: 621/622

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore Standing with preference given by earliest birthdate

Fees: Cost of behind-the-wheel is \$250 with possible increase of no more than \$50

Prepare yourself for a lifetime of safe driving with this driver-safety course. Driver condition, highway driving, intersections, emergency maneuvers and defensive driving are just a few of the topics to be covered. The lab portion of this course will include eight hours of simulation, six hours of in-the-car observation and six lessons behind-the-wheel. Behind-the-wheel instruction will take place after school, on weekends and during the summer.

Driver's Education Policy

- Freshmen are only allowed to sign-up for Driver's Education before the start of the school year if they will be 15.5 before September 1st of their 9th grade year.
- After the start of the school year, if there are remaining seats in second semester, there will be a waiting list created in the counseling office. This waiting list will be advertised on the announcements and seats will be filled based on date of birth with the oldest students being placed first.
- Students on the waiting list will be notified via email when all seats have been filled.

Physical Education Medical Excuse Policy

Student participation requirements in physical education may be modified due to injuries or illness. Parent notes will be accepted for modification of activities for a maximum of two days. Modifications of class requirements for more than two days will require a doctor's medical excuse specifying the reason for modification and/or exemption, time frame, and specific types of physical activity the student should avoid. Please ask your doctor to provide a Modified Participation in Physical Education Physician's Certification Form (Marshfield Clinic).

SCIENCE COURSES

BIOLOGY R

Course: 107

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

Examine the nature and continuity of life. Investigate the molecules of life, cell structure and function, genetics and biotechnology, and ecology.

NOTE: This is a NCAA approved course.

BIOLOGY HONORS

Course: 110

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: \$15 (adjusted annually as Hayden-McNeil notebook fees change)

Students will examine the characteristics of organisms. Biology Honors emphasizes the development of reading, writing, and analytical skills required in the ever-changing field of biology. The course is divided into five units: Unit 1 -- Biochemistry; Unit 2 -- Cell Structure and Function; Unit 3 -- Genetics; Unit 4 -- Evolution; and Unit 5 -- Ecology. Course fee: \$15 course fee applies. (Adjusted annually as Hayden-McNeil notebook fees change.)

NOTE: This is a NCAA approved course.

SCIENCE EXPLORATION

Course: 111

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

Science Explorations is an integrated, thematically designed science course. It serves as a foundational course that provides the science skills and processes required to be successful in future science courses such as biology, chemistry and principles of biomedical science. The course is laboratory based and focuses on scientific inquiry and data analysis. Content areas explored include infectious and hereditary diseases, water resources-local and global, energy resources, the sky-astronomy, climate, and air pollution.

ANATOMY & PHYSIOLOGY

Course: 113

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Biology (107) or Biology Honors (110), Chemistry (116) or Chemistry Honors (118) or instructor's consent.

Fee: None

This course examines the structures and function of the various systems of the human body, as well as examining the causes and cures of human disease. Animal dissections will be used to help us better understand how the human body works. First semester topics include cell specialization; skeletal, muscular, integumentary, and nervous systems. Second semester topics include digestive, respiratory, circulatory, excretory, endocrine, reproductive systems, and heredity.

NOTE: This course is required for Health Career Connections which is application and interview dependent with limited space.

NOTE: This is a NCAA approved course.

ANATOMY & PHYSIOLOGY HONORS

Course: 114

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Biology (107) or Biology Honors (110), Chemistry (116) or Chemistry Honors (118) or instructor's consent.

Fee: None

This course deals with the study of cells, tissues, and the various systems of the human body, as well as the causes and cures of human diseases. Animal dissections, model making, and projects will be used to help better understand how the human body works. First semester topics include cell specialization; skeletal, muscular, integumentary, and nervous systems. Second semester topics include digestive, respiratory, circulatory, excretory, endocrine, reproductive systems, and heredity. This course is recommended for those students interested in medicine, nursing, medical technology, or any health care related field.

NOTE: This course is required for Health Career Connections which is application and interview dependent with limited space.

REQUIREMENTS: There will be 2-3 major tests and one large project per quarter. Expect to work on projects outside of class. Higher-level problem-solving skills will be developed through the use of case studies.

NOTE: This is a NCAA approved course.

SCIENCE COURSES

CHEMISTRY

Course: 116

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Either successful completion of Algebra 1 (205) or Customized Algebra 1 (202) with a "C" grade or better.

Fee: Lab Notebook Fee- \$14.50; if students elect to tie-dye T-shirts in semester 2, an additional \$5 fee is required

Study the classification of matter; electron configuration and atomic structure; the periodic classification of elements; chemical bonding; chemical formulas and equations; the mathematics of chemistry; and the physical characteristics and molecular composition of gases, liquids, and solids. Lab Notebook Fee \$14.50; if students elect to tie-dye T-shirts in semester 2, an additional \$5 fee is required.

NOTE: Concurrent enrollment in Algebra 2 (207) is recommended.

NOTE: This is a NCAA approved course.

CHEMISTRY HONORS

Course: 118

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Either successful completion of Algebra 1 (205) with a "B" grade or better or Algebra 1 (206) with a "C" grade or better.

Fee: Please see *Fee Note in description

Study the classification of matter; electron configuration and atomic structure; the periodic classification of elements; chemical bonding; chemical formulas and equations; the mathematics of chemistry; kinetic-molecular theory; and the physical characteristics and molecular composition of gases, liquids, and solids.

***Fee Note: Lab Notebook Fee \$13; if students elect to tie-dye T-shirts in semester 2, an additional \$8 fee is required. Students will be charged \$8 at registration for a pair of their own safety goggles to wear in laboratory throughout the year. These goggles will be given to students to keep for use in future classes that require them, therefore no additional fee will occur if taking those courses.**

NOTE: Concurrent enrollment in Algebra 2 (208) is recommended.

AP CHEMISTRY

Course: 119

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Chemistry Honors (118) or Chemistry (116) with instructor's consent, Algebra 2 R (207) or Algebra 2 H (208).

Fee: None

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For others the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. Topics include the structure of matter, kinetic theory of matter, chemical equilibria, chemical kinetics and thermodynamics. Emphasis is on problem solving on paper and in the laboratory

NOTE: Concurrent enrollment in Pre-Calculus or Calculus is recommended.

NOTE: This is a NCAA approved course.

REQUIREMENTS: This course moves quickly, requires nightly homework, and time outside of the scheduled class to complete labs and ask questions. Some colleges award up to 10 college credits for a "5" on the AP Chemistry exam.

EARTH & SPACE SCIENCE

Course: 120

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

This course is laboratory-based science class emphasizing the function of the earth's system. Emphasis is placed on Earth's geologic systems, Earth's composition, predictability of a dynamic Earth, origin and evolution of the Earth system and universe, and energy in the Earth system. Topics covered in the Meteorology section of the course include the makeup and structure of the atmosphere, factors affecting weather, weather patterns, and seasonal effects on weather. This course also acquaints students with astronomy concepts including basic facts about the Earth, moon, and stars.

NOTE: This is a NCAA approved course.

SCIENCE COURSES

EARTH & SPACE SCIENCE H

Course: 122
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

The honors Earth & Space science course is designed to introduce the Earth sciences to the self-motivated student who is college bound. The Earth science course is designed to interpret and understand the world around you. In order to do so, students will investigate and study the interactions between the four major Earth's spheres including the geosphere, atmosphere, hydrosphere and biosphere in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. Topics to be addressed include, but are not limited to, the scientific method, minerals, rocks, plate tectonics, earthquakes, volcanoes, surface processes, geologic time, meteorology, and astronomy.

Students in the honors Earth & Space science course should expect a higher level of rigor, cognition and quality of work than the standard course. They will become actively involved in classroom and laboratory learning experiences. They will also be involved in exploratory, experimental, and open-ended learning experiences with a faster paced, more in-depth study of material.

Honors Earth science students should expect to use and develop the following skills: 1) problem-seeking and problem-solving, 2) independent inquiry based learning, 3) participation in scholarly and creative processes, 4) reading and understanding scientific material, 5) use of imagination, 6) critical analysis and application, 7) learning to express/defend ideas, 8) becoming a reflective thinker, and 9) becoming an initiator of learning.

To meet, use, and develop the skills required in the Honors Earth & Space science course, students will participate in laboratory exercises, small group activities, web-based investigations, class discussions, and both in class and independent projects and research involving reading and writing requiring a greater depth of understanding of Earth Science concepts that require students to proficiently communicate their ideas.

NOTE: This is a NCAA approved course.

PHYSICS

Course: 126
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Algebra 1 (205/206)
Fee: None

Discover the physical laws of nature, including motion, dynamics, energy, waves and modern physics. Also study interactions among science, technology and society. If you are pursuing a liberal arts program in college or a vocational school or nursing program you may find this course helpful. Laboratory Requirement: At least 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

NOTE: This is a NCAA approved course.

PHYSICS H

Course: 127
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Completion of or concurrent enrollment in Algebra I (205/206) with a B or higher grade.
Fee: None

Discover the physical laws of nature, including motion, dynamics, energy, waves and sound, light, modern physics, and relativity. Also study interactions among science, technology and society. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Also study interactions among science, technology and society.

Recommended for college bound students and provides preparation for those intending to take AP Physics. Laboratory Requirement: At least 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

NOTE: This is a NCAA approved course.

AP PHYSICS 1 PS

Course: 128
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Physics R (126) or Physics H (127) or completion of any prior AP Science course with a B or better grade.
Fee: None

AP Physics 1 is an algebra-based, introductory college-level physics course with a heavy emphasis on writing. Explore topics such as Newtonian mechanics (including rotational motion), work, energy, and power, mechanical waves and sound, and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students can elect to take the AP Physics 1 Exam for college credit in May (check with your university for college credit you can attain). Laboratory Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

NOTE: This is a NCAA approved course.

SCIENCE COURSES

AP PHYSICS 2 PS

Course: 129

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Any prior physics course or instructor's consent

Fee: None

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Also study interactions among science, technology and society. Students can elect to take the AP Physics 2 Exam for college credit in May (check with your university for college credit you can attain). Laboratory Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

NOTE: This is a NCAA approved course.

AP PHYSICS C MECHANICS (CALCULUS BASED) PS

Course: 130

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Any prior physics course or instructor's consent. Completion of/or concurrent enrollment in AP Calculus Honors (221 or 222) is recommended.

Fee: None

This course is recommended for students intending to pursue degrees in the physical sciences or engineering. Explore concepts such as kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. Learn to apply differential and integral calculus in order to solve problems associated with these concepts. Build your understanding and critical thinking skills through inquiry-based, laboratory investigations that explore these physics concepts. This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. Also study interactions among science, technology and society

NOTE: This is a NCAA approved course.

AP PHYSICS C ELECTRICITY & MAGNETISM (CALCULUS BASED) PS

Course: 131

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Completion of/or concurrent enrollment in AP Physics C Mechanics PS (130).

Fee: None

This course is recommended for students intending to pursue degrees in the physical sciences or engineering. Explore concepts such as electrostatics, electric circuits, conductors, capacitors, dielectrics, magnetic fields, and electromagnetism. Learn to apply differential and integral calculus in order to solve problems associated with these concepts. Build your understanding and critical thinking skills through inquiry-based, laboratory investigations that explore these physics concepts. This course ordinarily forms the second part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. Also study interactions among science, technology and society.

NOTE: This is a NCAA approved course.

AP BIOLOGY PS

Course: 132

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Biology Honors (110) and Chemistry Honors (118) strongly recommended, or instructor's consent.

Fee: \$20

AP Biology is designed to be the equivalent of a college introductory biology course taken by biology majors. Upon successful completion of the AP Exam, students may be permitted to register for upper-level university courses where biology is a prerequisite. A college textbook is used; topics are covered in great depth. The course emphasizes the development of reading, writing, and analytical skills required in the ever-changing field of biology. The course is divided into four units. Big Idea 1: The process of evolution drives the diversity and unity of life. Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis. Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes. Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

NOTE: This is a NCAA approved course.

SCIENCE COURSES

OCEANOLOGY HONORS

Course: 153
Credit: ½
Duration: Semester
Grades: 10-12
Pre-Req: Sophomore Standing
Fee: None

Study physical, chemical, geological, and biological aspects of the oceans. Topics include oceanographic instruments, seawater chemistry, ocean sediments, waves, weather and climate, tides and currents, ecosystems, maritime heritage and current issues.

REQUIREMENTS: Students should possess high level thinking skills, be willing to work a fast pace, possess an interest in all science areas and possess the ability to read at the college level.

NOTE: This is a NCAA approved course.

AP ENVIRONMENTAL SCIENCE PS

Course: 155
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Successful completion of biology and chemistry or instructor approval
Fee: \$13

Study the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world. Identify and analyze environmental problems, both natural and human-made and evaluate the relative risks associated with these problems. Examine alternative solutions for resolving and/or preventing them. Investigate interdependence of the Earth's systems, human population dynamics, renewable and non-renewable resources, environmental quality, global changes and their consequences, and environment and society decision making activities. The course focuses on the science practices and includes both laboratory experiments and field investigation. College credit can be earned for successful completion of the AP National exam.

REQUIREMENTS: This is a college level course that includes laboratory investigations, field work, essay writing and data analysis.

NOTE: This is a NCAA approved course.

PRINCIPLES OF THE BIOMEDICAL SCIENCES PS PLTW

Course: 157
Credit: 1
Duration: Year
Grades: 9-10
Pre-Req: Concurrent enrollment in college prep math and science. This course is designed for 9th or 10th grade students.
Fee: \$15



In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family practice, tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. Course fee of \$15.

NOTE: This is a NCAA approved course.

HUMAN BODY SYSTEMS PS PLTW

Course: 158
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Concurrent enrollment in college prep math and science. This course is designed for 10th, 11th or 12th grade students.
Fee: \$15



Students examine the interactions of the human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken[®], use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Course fee of \$15.

NOTE: This is a NCAA approved course.

SCIENCE COURSES

MEDICAL INTERVENTIONS PS PLTW

Course: 160

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Principles of Biomedical Sciences PLTW (157) and Human Body Systems PLTW (158). Concurrent enrollment in college prep math and science and Junior standing.

Fee: \$15



Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

NOTE: This is a NCAA approved course.

BIOMEDICAL INNOVATION PS PLTW

Course: 161

Credit: 1

Duration: Year

Grades: 12

Pre-Req: Completion of or concurrent enrollment in Medical Interventions PLTW (160). Senior standing.

Fee: \$15



In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

NOTE: This is a NCAA approved course.

SOCIAL SCIENCE COURSES

Three and one half (3½) credits are required for graduation and must contain the following:

Freshman: (1 credit required)

Student must choose one of the following year-long courses:

- US History & American Government Regular or Foundations
- AP History of American Government & Politics PS

Sophomore: (1 credit required)

Student must choose one of the following year-long courses:

- The American Republic Regular or Foundations
- AP United States History PS

Junior: (1 credit required)

Student must choose one of the following year-long courses.

- World Studies Regular or Foundations
- AP European History PS
- AP World History PS

Senior: (½ credit required)

If not taken as a freshman, student must choose one of the following year-long courses:

- US History & American Government Regular or Foundations
- AP History of American Government and Politics PS

Electives:

- Crime, Justice & Law (1/2 credit)
- Psychology (½ credit)
- AP Psychology PS (½ credit)
- AP European History PS (1 credit)
- AP History of Government & Politics, U.S. PS (½ credit)
- AP Economics PS (1 credit)
- AP United States History PS (1 credit)
- AP World History PS (1 credit)
- AP Comparative Government PS (½ credit)

SOCIAL SCIENCE COURSES

US HISTORY & AMERICAN GOVERNMENT FOUNDATIONS

Course: 300

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Teacher/Counselor

Recommendation

Fee: None

Expand your understanding of U.S. History through study of the development of American colonies, the Revolutionary War, the United States Constitution, the Early Federal Period, as well as, the establishment and development of the American Government to the modern period.

Explore the foundations of US government through close reading and guided writings.

Placement in this course is made using multiple measures of student achievement.

US HISTORY & AMERICAN GOVERNMENT

Course: 301

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

Expand your understanding of U.S. History through study of the development of American colonies, the Revolutionary War, the United States Constitution, the Early Federal Period, as well as, the establishment and development of the American Government to the modern period.

NOTE: This is a NCAA approved course.

AP HISTORY OF AMERICAN GOVERNMENT & POLITICS PS

Course: 302

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: Teacher recommendation and a grade average of a B or higher in 8th grade Global Studies.

Fee: None

Expect an in-depth analysis of the U.S. Constitution. Research and analyze the impact of this living document on today's society. Become active participants in the study of political beliefs, political behaviors, political parties, interest groups, mass media, institutions of national government, civil liberties, civil rights and public policy.

NOTE: In spring you can take the AP Government and Politics test and earn college credit.

REQUIREMENTS: Considerable use of research skills, critical thinking skills, analytical writing, public speaking skills, and integrating technology. This is a college level course.

NOTE: This is a NCAA approved course.

THE AMERICAN REPUBLIC FOUNDATIONS

Course: 305

Credit: 1

Grades: 10-12

Duration: Year

Pre-Req: Teacher/Counselor recommendation

Fee: None

Use primary sources and guided writing to understand how the US has evolved through political, social, intellectual and economic change to become one of the most powerful nations in the world. This course focuses on increasing core area skills of reading, writing and thinking in students who struggle academically. Placement in this course is made using multiple measures of student achievement.

SOCIAL SCIENCE COURSES

THE AMERICAN REPUBLIC

Course: 306

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: U.S. History & American Government (301) or AP History of American Government & Politics H (302).

Fee: None

Follow United States emergence as a world power by analyzing civil war, Reconstruction, Industrialization, American imperialism, the Progressive Era, American involvement in World War I, the prosperity of the 1920's, the Great Depression of the 1930's, the Roosevelt New Deal, involvement in World War II, domestic and foreign challenges of the post-war world, America's involvement in Vietnam and America from the 1960's to the 21st century.

NOTE: This is a NCAA approved course.

WORLD STUDIES FOUNDATIONS

Course: 309

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Teacher/Counselor recommendation; Junior standing

Fee: None

Understand how western society originated, has evolved, and continues to be a model for politics, economics, and social structures in the world. The course starts in the Middle Ages and continues to the early 20th Century. The second semester transitions into a modern analysis of numerous European, African, Middle Eastern, South American, and Asian countries. This semester focuses on the strengths and weaknesses of these areas and tries to examine how certain areas of the world are rapidly progressing to global dominance while others remain 2nd and 3rd world countries. Placement in this course is made using multiple measures of student achievement

WORLD STUDIES

Course: 310

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior standing

Fee: None

Understand how western society originated, has evolved, and continues to be a model for politics, economics, and social structures in the world. The course starts in the Middle Ages and continues to the early 20th Century. The second semester transitions into a modern analysis of numerous European, African, Middle Eastern, South American, and Asian countries. This semester focuses on the strengths and weaknesses of these areas and tries to examine how certain areas of the world are rapidly progressing to global dominance while others remain 2nd and 3rd world countries.

NOTE: This is a NCAA approved course.

PSYCHOLOGY

Course: 315

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior standing

Fee: None

Find out how dogs, bells, inkblots, electric shocks and more play a role in understanding the human experience. Explore the world of the mind through a thoughtful investigation into the history, theory and application of psychology.

Emphasis: Critical thinking skills, critical writing, integrated technology, higher level reading skills.

NOTE: This is a NCAA approved course.

AP PSYCHOLOGY PS

Course: 317

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior standing or instructor's consent

Fee: None

Take part in a demanding, fast-paced survey of the many facets of the human experience. The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Through the AP Psychology experience, students have the opportunity to prepare for the AP Psychology exam in the spring.

REQUIREMENTS: Considerable use of research skills, critical thinking skills, analytical writing, public speaking skills and integrating technology. This is a college level course.

NOTE: This is a NCAA approved course.

SOCIAL SCIENCE COURSES

AP EUROPEAN HISTORY PS

Course: 324

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior standing, instructor's consent

Fee: None

Raise the academic bar with the challenges of a rigorous and fast paced survey of European history. AP European history will cover Europe's journey from the Renaissance to modern day (1450-present). All students, prior AP students and newcomers to the AP program, are welcome to join the class.

NOTE: In spring you can take the AP European test and earn up to six college credits.

REQUIREMENTS: Considerable use of research skills, critical thinking skills, analytical writing, public speaking skills, and integrating technology. This is a college level course.

NOTE: This is a NCAA approved course.

CRIME JUSTICE & LAW

Course: 328

Credit: 1/2

Duration: Semester

Grades: 11-12

Pre-Req: Junior standing

Fee: None

Criminal Justice is a survey of the justice system that focuses on the rights of citizens, law enforcement, court proceedings, probation and parole, pretrial services, the prison system and practical law. Issues of crime and justice dominate American culture, from the halls of Congress, to prime-time television, to what happens on the streets of Marshfield. The intent of this course is to help individual students comprehend how the legal system operates locally and nationally. Students will examine careers in all facets of justice. Meets senior social science requirements for graduation.

NOTE: This is a NCAA approved course.

AP UNITED STATES HISTORY PS

Course: 336

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore standing

Fee: None

AP US History will cover United States history from colonization to present following college standards of writing, reading and critical thinking. This course will satisfy the sophomore United States History requirement for qualifying students. Junior and senior students may take this course as an elective sequel to the traditional United States history courses.

NOTE: Take on the challenge of a College Board AP curriculum and possibly earn credit for college by taking the AP test in spring.

REQUIREMENTS: Considerable advanced writing, critical thinking, and primary document analysis. This is a college-level course.

NOTE: This is a NCAA approved course.

AP ECONOMICS PS

Course: 337

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior standing or consent of the instructor

Fee: None

Expand your understanding of the complexities of the American economy in this challenging college level course. Examine the underlying principles of micro and macro-economics, collaborate with business leaders to examine local issues, and work toward possible college credit.

REQUIREMENTS: Considerable application of economic theory to a host of contrived and real-world scenarios, conducting independent research, problem solving using economic methodologies and theories, and the ability to evaluate the validity of conflicting schools of thought is emphasized. This is a college level course.

NOTE: This course fulfills the senior Consumer Education requirement for graduation.

NOTE: This is a NCAA approved course.

AP WORLD HISTORY: MODERN PS

Course: 338

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior standing; instructor's consent

Fee: None

Study the cultural, economic, political, and social developments that have shaped the world from 1200 CE to the present. Analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This rigorous and fast-paced college level course is open to students with AP experience as well as newcomers who are ready for the challenge.

NOTE: In spring you can take the AP World History: Modern test and earn up to six college credits.

NOTE: This is a NCAA approved course.

REQUIREMENTS: Considerable use of research skills, critical thinking skills, analytical writing, public speaking skills, and integrating technology. This is a college level course.

SOCIAL SCIENCE COURSES

AP COMPARATIVE GOVERNMENT PS

Course: 340

Credit: ½

Duration: Semester

Grades: 10-12

Pre-Req: Sophomore standing with completion of a US government course.

Fee: None

AP Comparative Government sets a historic foundation for the AP 6 Countries of: United Kingdom, Mexico, Russia, China, Nigeria, and Iran. The majority of the course analyzes modern trends of power, authority, sovereignty, legitimacy and institutions of the AP 6 countries. Critical reading, analytical writing, media analysis, and construction of governmental models are key skills developed in preparation for the AP National Exam.

REQUIREMENT: Considerable independent learning with an emphasis on the following: Analytical reading, writing, thinking and understanding of current world/regional political events. Students are expected to be active in the classroom discussions. This is a college level course.

NOTE: This is a NCAA approved course.

AP HUMAN GEOGRAPHY/GLOBALIZATION PS

Course: 858

Credit: 1 (Does not count toward Social Science graduation requirement)

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

This year-long course provides students with an opportunity to expand their knowledge of our world from a broad, geographical perspective. Students will realize and appreciate the complexities of globalization and think critically about what they see, read, and hear about their world through critical analysis of culture, society, and space. Students are challenged to think geographically across scale and across a wide range of geographical phenomena and global issues. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography.

NOTE: Candidates for this class must be independent learners, familiar with the online learning environment, conscientious about due dates, and pro-active toward problem solving. Learning targets and content requirements are the same as traditional face-to-face class, but due to the 24/7 online model a driven AP student may be able to complete course requirements in less academic calendar time.

REQUIREMENTS: This college-level course requires considerable reading, writing, critical thinking and application of concepts and theories, integrating technology on a daily basis.

SPECIAL EDUCATION COURSES

LIVING FOR TOMORROW FOUNDATION

Course: 651
Credit: Per IEP
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Topics covered include: independent living skills, career planning, recreation, housing, adult service agencies, legal issues, medical services, financial services, insurance, and self-advocacy. This class stresses the thinking skills and social/emotional coping skills needed for successful independent adult living. Students will transition into the adult community to practice their learned skills.

NOTE: Alternate year offering: 2022-2023, 2024-25.

ENGLISH FOUNDATION

Course: 652
Credit: Per IEP
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Develop and maintain basic skills in the area of communication arts related to independent living and employability. Students will learn functional life/career reading, spelling, writing, listening, self-presentation, and self-advocacy/assertiveness skills.

LIFE MATH FOUNDATION

Course: 654
Credit: Per IEP
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Learn and maintain basic functional career and consumer mathematics as it relates to independent living in the community, daily living and employment and leisure. Units covered include money skills, time management, banking, budgeting, purchasing, home management costs, and calculator skills.

SCIENCE FOUNDATION

Course: 656
Credit: Per IEP
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Emphasize practical applications of science to an ever-increasing technological society. Students learn the ways in which science and technology influence their daily lives and future careers. The basic concepts of physical science, space, earth science and life science are investigated.

NOTE: Alternate year offering: 2022-2023, 2024-25.

PROJECT LIFE 101

Course: 658
Credit: 5
Duration: Year
Grades: 11-12
Pre-Req: Junior standing and instructor's consent
Fee: None

Project Life is a multi-year transition program for students 18-21 years old. The focus of this program is the emphasis on independent living, social/communication, and employment readiness. Students will split their day up at the high school where part of their day will be out in the community at a job site with skills trainers and the other part is classroom instruction. Students will spend 2 hours out in the community at the job site where they are learning new skills, working with employees, following specific instruction, real world experiences, etc. The classroom piece covers 8 different units that aligns with Project Search. The classroom instruction is 2 hours in class or life skills lab. The units include; teamwork, workplace safety, socializing and communication, technology, self-advocacy, personal financial literacy, independent living, functional independence in the community, and employability. The student's day will run from 8:00 a.m. until 2:00 p.m.

Three 10-12 Week internships (660 PL Internship) in community job training locations. Includes training, ongoing consultative support, manual, curriculum, ongoing assessments to track progress, sample lessons, job reporting templates, handbooks, and promotional materials. 120 essential skills development.

REQUIREMENT: Student must have an IEP.

SPECIAL EDUCATION COURSES

PROJECT LIFE 201

Course: 659

Credit: 5

Duration: Year

Grades: 11-12

Pre-Req: Junior standing and instructor's consent

Fee: None

Project Life is a multi-year transition program for students 18-21 years old. The focus of this program is the emphasis on independent living, social/communication, and employment readiness. Students will split their day up at the high school where part of their day will be out in the community at a job site with skills trainers and the other part is classroom instruction. Students will spend 3 hours out in the community at the job site where they are learning new skills, working with employees, following specific instruction, real world experiences, etc. The classroom piece covers 8 different units that aligns with Project Search. The classroom instruction is 1-1.5 hours in class or life skills lab. The units include; teamwork, workplace safety, socializing and communication, technology, self-advocacy, personal financial literacy, independent living, functional independence in the community, and employability. The student's day will run from 8:00 a.m. until 2:00 p.m.

Three 10-12 Week internships (660 PL Internship) in community job training locations.

Includes training, ongoing consultative support, manual, curriculum, ongoing assessments to track progress, sample lessons, job reporting templates, handbooks, and promotional materials. 120 essential skills development.

REQUIREMENT: Student must have an IEP.

CAREER EXPLORATION FOUNDATIONS

Course: 661

Credit: Per IEP

Duration: Year

Grades: 12

Pre-Req: Senior standing per IEP.

Students must be DVR eligible and must choose a vocational provider.

Fee: None

Prepare for the working world by developing work habits and attitudes, social skills, and job seeking and securing skills. The course consists of school to-work instruction in the classroom until the student is placed in a work trial, at which time students will receive on-the-job training at a place of employment. The student will have at least one paid job trail in one semester or at least two paid trials during the school year. The Division of Vocational Rehabilitation will fund the paid work trials, vocational case management and the job coaches that will accompany the students. One day per week is used for self-evaluation and skill development including the Skills to Pay the Bills curriculum presented by a vocational provider. This class meets two periods each day with approximately one hour on-the-job training unless the student works beyond the school day.

PRE-VOCATIONAL WORK SKILLS

Course: 665

Credit: Per IEP

Duration: Year

Grades: 9-12

Pre-Req: Instructor Consent

Fee: None

Students develop academic and work skills to prepare them for future jobs. Students enhance their training with hands-on pre-vocational tasks.

LIFE BALANCE

Course: 668

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: Instructor's Consent

Fee: None

Students explore the different aspects of life including physical, family, social, career, financial, mental and personal. This class will help students adapt to daily life stressors and prepare them for functioning in society as independent citizens. Students will walk away with strategies to support their social and emotional health, in order to manage daily lives.

SPECIAL EDUCATION COURSES

MATH CONCEPTS

Course: 680
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Instructor's Consent
Fee: None

Students will focus on increasing math skills using curriculum at their individual level as determined by their IEPs. Whole group, small group, and individualized methods including a computer-based curriculum will be used. This math class counts as 1 math credit towards graduation.

COLLEGE & CAREER READY

Course: 683
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Must be enrolled in a Support Collaborative CRC through an IEP
Fee: None

Students will focus on gaining skills to help them become more prepared for post-secondary schooling and careers. Areas of emphasis will include, positive communication skills, independent work skills, career interests, and acquisition of transition skills needed for future success.

UNDERSTANDING TEXT

Course: 685
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Instructor's Consent
Fee: None

Students will focus on increasing reading fluency and comprehension skills, building vocabulary, and utilizing reading strategies. Curriculum will be delivered through whole group, small group, and individualized methods. Course content will include readings from fiction and nonfiction sources, including novels, textbooks, technical sources, periodicals, etc. This course is designed to enhance the students' success in reading more complex passages with an increased level of comprehension and confidence, to better prepare them for the ACT Reading and/or the Accuplacer exam as they graduate and pursue their goals at a postsecondary setting. This is a reading class and does not count as an English credit, but it does count as 1 elective credit towards graduation.

COOPERATIVE ART

Course: 691
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: None

Students will work with experience-based learning. Creating watercolors, tempera paintings, crayon drawings, marker drawings, construction paper sculpture, foam sculptures, wood projects, clay and more. Movement, visualization techniques, are also a part of this class. Emphasis is on personal and group development as the class is varied for the physical, social, and developmental needs of and for the students.

NOTE: Course may be retaken for credit.

REQUIREMENT: Student must have an IEP.

PROJECT SEARCH

Course: PROJ
Credit: 0
Duration: Year
Grades: 12
Pre-Req: *Pre-requisite Note in Description

Project SEARCH is a vocational training program for students interested in seeking a career path after high school. This is an alternative high school-to-work transition program for students seeking more training in the areas of vocational, social communication, and living skills. This unique opportunity provides a combination of classroom and three – 10-week work experiences, while being completely immersed in an employment setting at the hospital and local businesses. The ultimate goal is to become employed in a career of your choice at the completion of Project SEARCH.

***Pre-requisite Note: Students must complete all graduation credit requirements and submit an application to the Project SEARCH Instructor. Applications may be obtained from the students' IEP case manager. The Project SEARCH committee will interview and select candidates. Project SEARCH instructor's consent is required. If accepted into the program, there will be additional requirements to fulfill for the hospital.**

TECHNOLOGY EDUCATION COURSES

DC INTRODUCTION TO ENGINEERING DESIGN PS (PLTW-IED)

Course: 911
Credit: 1
Duration: Year
Grades: 9-11
Pre-Req: Concurrent enrollment in Algebra (203/204/205).
Fee: \$10



In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Course fee: \$10

NOTE: Freshman will obtain Dual Credit from Mid-State Technical college with the successful completion of both IED and POE. Upper classmen are eligible to obtain the Dual Credit without having to take POE.

ES & DC PRINCIPLES OF ENGINEERING PS (PLTW-POE)

Course: 912
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Algebra (202/205/ 206).
Fee: \$10



This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course is designed for 10th or 11th grade students.

NOTE: This is a NCAA approved course.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Intro to Engineering #10623115, 1 credit.

EM DIGITAL ELECTRONICS PS (PLTW-DE)

Course: 913
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Algebra (203/204) or Algebra (205).
Fee: \$10



The major focus of this course is to open doors to understanding electronics and foundations in circuit design. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. Students learn the digital circuit design process to create circuits and present solutions that can improve people's lives. Learn how advancements in foundational electronic components and digital circuit design processes have transformed the world around you.

NOTE: This is a NCAA approved course.

CIVIL ENGINEERING & ARCHITECTURE PS (PLTW-CEA)

Course: 914
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Algebra (203/204) or Algebra (205).
Fee: \$10



The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

TECHNOLOGY EDUCATION COURSES

ENGINEERING CAPSTONE H

Course: 915

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Any PLTW Engineering or Biomedical course or instructor's consent. Open to grades 11 - 12 only.
Fee: \$10

This course is designed for students interested in STEAM (Science, Technology, Engineering, Art and Mathematics). This course's main focus is to provide students with both problem/project-based learning and to challenge them to work to solve the problems of our community. Students may work with community and industrial leaders to create new products and solve interesting problems in specific areas of study. Students will be expected to work in small groups and create leadership and task-oriented guidelines to further their work in engineering. Projects will vary based upon student/team interest and will revolve around any number of engineering fields.

ELECTRICITY, ELECTRONICS, AND NETWORKING TECHNOLOGY COURSES

ELECTRICITY & ELECTRONICS R

Course: 920

Credit: ½

Duration: Semester

Grades: 9-12

Pre-Req: None

Fee: \$10

Learn the fundamentals of electrical and electronic systems and components in order to build and troubleshoot working circuits and devices. Examples of activities include building electromagnets, household wiring, electric motors, circuit boards, robots, two-way radios, soldering joints, and basic computer hardware.

DC COMPUTER HARDWARE SYSTEMS PS

Course: 926

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore standing

Fee: None



Specialize in microprocessor and computer technology. Learn how modern computer systems work, as well as troubleshooting and upgrades for RAM, CPU's, video and expansion cards, storage devices and more. Hands-on activities include PC component installation and troubleshooting as well as complete construction of computer systems. Operating systems and basic networking are also covered in this course. This course follows guidelines established by Cisco Networking Academy and may assist you in obtaining an A+ certification through CompTIA. Complete SkillsUSA activities and be strongly encouraged to be a member. For more information see www.netacad.com.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Hardware Essentials #10154102, 3 credits

*+DC COMPUTER NETWORKING PS

Course: 927/928

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Junior standing

Fee: None



Develop an understanding of computer networking concepts including network design, hardware wiring systems, and IP addressing. Receive hands-on training in the assembly and configuration of networking components. Emphasis will be placed on the basic operation of routers, routing protocols and switching. This course follows guidelines established by Cisco Networking Academy and may assist you in obtaining a CCNA (Certified Cisco Networking Associate) certification. For more information see www.netacad.com.

NOTE: First year students register for Computer Networking (927). Second year students register for Computer Networking II R (928).

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Networking I #10150110, 3 credits.

** = Seniors taking this course will require additional course work at the post-secondary level to obtain certification.*

+ = Juniors enrolling in this course may be able to complete certification their senior year.

TECHNOLOGY EDUCATION COURSES

DIGITAL PUBLICATIONS

DIGITAL PUBLICATIONS I

Course: 929
Credit: ½
Duration: Semester
Grades: 9-12
Pre-Req: None
Fee: \$10

Students will develop skills in layout and design using a variety of software programs including Adobe Creative Suite software and use tools, equipment and processes to develop visual and graphic images that combine text and pictures. Project-based activities include publication layout-brochures, newsletters, vinyl graphic design and creation, calendar design, and photography.

METAL TECHNOLOGY COURSES

DC METAL TECHNOLOGY 1 PS

Course: 931
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Sophomore standing
Fee: \$40



Metal I is designed to expand students' knowledge in the broad area of metal working and other manufacturing processes. Students will be assigned several hands-on assignments that are geared to increasing ones understanding in each of the major areas of metalworking; sheet metal fabrication, machining, welding, cutting and forming. Lectures and labs will make up the class. By successfully completing this course, students can also receive one credit through Mid-State Technical College.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Introduction to Welding #10442100, 3 credits

DC METAL TECHNOLOGY 2 PS

Course: 933
Credit: 1
Duration: Year
Grades: 11-12
Pre-Req: DC Metal Technology 1 PS (931)
Fee: \$40



Metal Technology 2 is designed to further students' knowledge in all areas of metal working and other manufacturing processes. Students will be assigned several hands-on assignments to build a strong understanding in each of the major areas of metalworking; sheet metal fabrication, machining, welding, cutting and forming. Lectures and labs will make up the class. By successfully completing this course, students can also receive up to three credits through Mid-State Technical College.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Metal Fabrication #10462116, 3 credits

DC METAL TECHNOLOGY CAPSTONE PS

Course: 936
Credit: 2
Duration: Year
Grades: 12
Pre-Req: Senior standing, Metal Technology 2 (933) or instructor's consent.
Fee: \$40



Metal Capstone is a career-based class. It is designed to focus a student towards career goals and equip them with the knowledge and resources required to pursue a career in the manufacturing industry. Several hands-on, minds-on projects will be required to deepen their understanding in all areas of Manufacturing. Students will select a career pathway and complete all of the specific requirements; including, (but not limited to), Resume, Portfolio, Job Shadow, Demonstration, Project Plan Sheet, Advanced Projects with documentation and Reflection. Lectures and labs will make up the class. By successfully completing this course, students can also receive up to three credits through Mid-State Technical College.

NOTE: Students that successfully complete this course can earn Dual Credit from Mid-State Technical College for Metals & Machining #10462114, 3 credits

TECHNOLOGY EDUCATION COURSES

EXPLORATORY WOODS & METALS

Course: 941

Credit: ½

Duration: Semester

Grades: 9-10

Pre-Req: Recommended to 9 and 10 only

Fee: \$40

This semester-long exploratory class introduces students to shop safety in both a metals and construction lab. Students will learn basic print reading and fabrication skills in a hands-on approach in both areas. The purpose of the combined class is to show how they can relate to one another but also to allow students to explore both industries before deciding which path to continue on.

CONSTRUCTION TECHNOLOGY COURSES

CONSTRUCTION TECHNOLOGY II

Course: 942

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: None

Fee: \$40

Be introduced to the use of modern materials and processes associated with cabinetmaking and millwork with a hands-on approach. Areas include: hand and power tool processing, wood machining, wood finishing and introduction into carpentry. Expect to follow lab safety procedures.

DC ADVANCED CONSTRUCTION TECHNOLOGY PS

Course: 945

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Construction Technology II (942) or instructor's consent

Fee: \$40



This course will provide students the opportunity to explore the construction trades in a classroom and lab environment. Students will develop a variety of technical skills associated with residential construction. Areas include safety procedures, building layout, rough construction, finish carpentry, masonry, electrical wiring, and cabinet making and millwork. This course is part of the Architecture, Construction, and Engineering Academy, but students may take course without signing up for the Academy.

DC CONSTRUCTION TECHNOLOGY CAPSTONE R

Course: 947

Credit: 2

Duration: Year

Grades 12

Pre-Req: Senior standing, Capstone Application, Advanced Construction Technology (945)

Fee: \$40 plus project material fee



This course is a continuation of advanced construction. The content learned in advanced construction will be the foundation for Construction Capstone. Students will continue to acquire the knowledge and skills needed for the construction trades and related occupations. Students must be accepted into the Architecture, Construction, and Engineering Academy, enrollment is limited. Acceptance into the program will be by application. Expect to follow lab safety procedures.

TECHNOLOGY EDUCATION COURSES

HOME MAINTENANCE

Course: 949

Credit: ½

Duration: Semester

Grades: 11-12

Pre-Req: Junior or Senior standing preferably with a driver's license.

Fee: None

This course will focus on the lifelong skills and knowledge needed to maintain and improve one's residence. Students will explore equipment, techniques, and procedures essential to maintain a home. Students will learn and practice repair techniques including electrical, plumbing, drywall work, seasonal upkeep, etc. Safe practices and problem solving will be emphasized in a hands-on collaborative environment.

AUTOMOTIVE TECHNOLOGY COURSES

OUTDOOR POWER EQUIPMENT

Course: 953

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: \$5

Outdoor Power Equipment is a laboratory-based course. During the first semester, the students will disassemble and assemble a school owned small gasoline engine and be introduced to some basic electricity. During the second semester, students will learn the theory, operation, and proper maintenance procedures of outdoor power equipment by performing maintenance on various outdoor power equipment products of their own.

NOTE: Priority given to grades 9th and 10th grade students. If class does not fill, 11th and 12th grade students may take class.

AUTOMOTIVE TECHNOLOGY

Course: 956

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: Sophomore standing, Outdoor Power Equipment (953), or Consumer Auto Maintenance (959), with instructor's consent.

Fee: \$10

Automotive Technology is a laboratory-based course designed to introduce you to automotive maintenance, repair, and beginning diagnosing. The first semester will include automotive maintenance, basic systems repair, online service manuals, cooling, starting, and charging systems. During the second semester, the student will learn about fuel, ignition, brake, steering, and suspension systems and be introduced to basic scan tool operation.

Students will be encouraged to prepare for the ASE (Automotive Service Excellence) exams.

NOTE: Students who plan to take Automotive Technology should NOT take Consumer Auto Maintenance.

DC AUTOMOTIVE TECHNOLOGY

CAPSTONE

Course: 962

Credit: 2

Duration: Year

Grades: 11-12

Pre-Req: Junior standing, Automotive Technology (956) or Consumer Auto Maintenance (959), with instructor's consent.

Fee: \$10



During this laboratory-based capstone course, students will experience what it takes to run an automotive business. This class will be run as a practicum, where students hold different positions within an automotive business. Students will work on soft skills required to work in many technical areas, while at the same time, gain a more in-depth understanding of the automobile system theories of engine performance, transmissions, brakes, steering, suspension, and HVAC by completing live work on vehicles. **Students are strongly encouraged to apply for Youth Apprenticeship. Students will be encouraged to prepare for the ASE (Automotive Service Excellence) exams.**

TECHNOLOGY EDUCATION COURSES

ADVANCED AUTOMOTIVE TECHNOLOGY CAPSTONE

Course: 965

Credit: 2

Duration: Year

Grades: 12

Pre-Req: Senior standing, Automotive Technology Capstone (962).

Fee: \$15

This course is an extension of the Automotive Technology Capstone course, designed as a career-based course. Students will gain valuable leadership skills, be a team leader within the automotive business, and mentor the Automotive Technology Capstone students. Students will perform advanced level diagnosis and repair of automobiles, while at the same time create a marketable pathway by developing a resume, portfolio, completing a job shadow, and completing ASE (Automotive Service Excellence) Exams. Students are strongly encouraged to apply for Youth Apprenticeship.

YOUTH APPRENTICESHIP

Course: 993 or 994

Credit: 1 per year

Duration: Year

Grades: 11-12

Pre-Req: Junior standing, application form, and instructor's consent

Fee: None

For more information, please see page 14

Juniors should sign up for course #993

Seniors should sign up for course #994

ARCHITECTURE, CONSTRUCTION, AND ENGINEERING ACADEMY

The Architecture, Construction and Engineering Academy is a multi-year educational program that integrates academic advising with technical instruction in construction related fields, identifying the relevance of one to the other. Applications for this academy should be completed during registration of your freshmen and sophomore year.

Questions about this program should be directed to Mr. Aaron Scheuer at the high school.

PREREQUISITE: Sophomore Standing and Construction II (942)



PROJECT LEAD THE WAY (PLTW) is a national pre-engineering program established to help schools give students the knowledge they need to excel in high-tech fields. Studies of PLTW's curriculum have proven that PLTW students become the kind of prepared, competent, high-tech employees U.S. industry needs to stay competitive in the global market. With its strong partnership concept, PLTW leverages the collective knowledge and efforts of secondary schools, colleges and universities, and industry to give students rigorous, relevant, reality-based knowledge to better prepare them for college. Furthermore, the research shows, and continues to confirm, that students introduced to engineering principles, concepts, and real-world problems in high school are better prepared for college engineering programs – and more likely to be successful. Introduction at the high school level will allow students, while still in school, to determine if engineering is the career they desire.

PLTW is a four-year sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. Classes can be taken in sequence over four years or taken as schedules allow. PLTW is a hands-on, project based approach to learning that better prepares students for the rigors of college. The pre-engineering program incorporates math, science, English, and technology skills needed for success. For additional information visit the PLTW website: www.pltw.org.

WORLD LANGUAGES COURSES

FRENCH

FRENCH I

Course: 500

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: None

Fee: None

Discover the French language and the cultures of France and other French-speaking countries around the world! Speak and listen to French while watching movies, listening to French music and playing games. Develop reading, writing and speaking skills. Learn about French schools, leisure activities, food, friendships and family life. Even learn how to order food at restaurants and cafés! Celebrate French holidays and enjoy some wonderful French cuisine! *Miam! Miam!*

NOTE: This is a NCAA approved course.

FRENCH II

Course: 501

Credit: 1

Duration: Year

Grades: 9-12

Pre-Req: French I (500)

Fee: None

One step closer to your dream of travel abroad! Continue learning French vocabulary through topics of shopping, home, sports, clothing, weekend activities, food, vacations, and hobbies. Increase your knowledge of the French-speaking world by exploring Parisian monuments, listening to French music and watching authentic French films. Play games and act out skits to deepen your appreciation of the French language. French holidays and French food are sure to be a highlight of the class.

NOTE: This is a NCAA approved course.

*FRENCH III HONORS

Course: 502

Credit: 1

Duration: Year

Grades: 10-12

Pre-Req: French II (501)

Fee: None

Make your French language skills come alive! You will continue your travels to French-speaking countries far and wide. Make travel arrangements, use the métro, reserve a hotel room, and go shopping in the markets. Talk about city and country life, animals, and daily routines. Learn about renting an apartment or living with a host family. These are all topics you will encounter. Read stories from *Le Petit Nicolas*. Perform skits and even be on your own food show! Films, games, food, music and holiday celebrations are an integral part of French class.

REQUIREMENTS: Success comes with completion of assigned homework and with using as much French as possible in class.

NOTE: This is a NCAA approved course.

*FRENCH IV HONORS

Course: 505

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: French III H (502)

Fee: None

Here's one more year closer to French fluency! Develop a greater ability to communicate and understand French while using real-life documents, videos, websites and more in class. Learn to use your language skills through topics such as travel, the arts, professions, media, sports and fitness, values, and relationships in the French-speaking world. You will also perform skits, play games, celebrate holidays, enjoy films and savor cuisine from different francophone countries. *On y va!*

REQUIREMENTS: Success comes with completion of assigned homework and with using as much French as possible in class.

NOTE: This is a NCAA approved course.

***Students in these advanced classes should have the ability to either test out of college foreign language requirements or to place into more advanced level university foreign language courses, and thereby earn retroactive credits.**

WORLD LANGUAGES COURSES

***AP FRENCH LANGUAGE & CULTURE PS**

Course: 508
Credit: 1
Duration: Year
Grades: 12
Pre-Req: French IV H (505)
Fee: None

Continue your path to French fluency while using real-life documents, videos, websites and more in class. You will watch French films, listen to French musicians, cook French recipes and immerse yourself in French! *Mais oui!* Review grammar concepts while increasing your communication skills and participate in everyday conversations to prepare you for travels abroad. You will also perform skits, play games, celebrate holidays, enjoy films and savor cuisine from around the francophone world. This course is the equivalent to a fourth semester college course in French language. Students who elect to take the AP® French Language Examination at the end of this course have the opportunity to earn University credit at many universities. In addition, retroactive credits may be earned.

REQUIREMENTS: Success comes with completion of assigned homework and with using as much French as possible in class.

NOTE: This is a NCAA approved course.

SPANISH

SPANISH I

Course: 524
Credits: 1
Duration: Year
Grades: 9-12
Pre-Req: None
Fee: None

Enjoy the expression of conversation in Spanish. Work on oral practice and listening comprehension, as well as the development of reading and writing skills. Understand the culture of Spain, Latin America and the Hispanics living in the United States. By the end of the year students will be able to introduce themselves, share likes and dislikes, share information about pastimes and daily activities in the present tense.

NOTE: This is a NCAA approved course.

SPANISH II

Course: 525
Credit: 1
Duration: Year
Grades: 9-12
Pre-Req: Spanish I (524)
Fee: None

Students will continue with the Spanish language by developing conversational, written, and listening skills. Students will continue to gain in knowledge and appreciation of other cultures, specifically those of Ecuador, The Dominican Republic, Argentina, and Costa Rica. By the end of the year, students will be able to describe a house and household items, plan a party, talk about sports, health, technology, daily routines, vacation plans, and leisure activities. Students will be able to use irregular verbs in the present tense, use affirmative commands in the familiar form and speak in the simple past tense.

NOTE: This is a NCAA approved course.

***SPANISH III HONORS**

Course: 526
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Spanish II (525)
Fee: None

Increase proficiency in all aspects of the language, speaking, reading, writing, listening and cultural awareness throughout the Spanish-speaking world. Many pre-AP activities are included, to introduce students to higher level thought processes in the language.

NOTE: This is a NCAA approved course.

SPANISH III R

Course: 527
Credit: 1
Duration: Year
Grades: 10-12
Pre-Req: Spanish II (525)
Fee: None

Increase proficiency in all aspects of the language, speaking, reading, writing, listening and cultural awareness throughout the Spanish-speaking world. This course is intended to be a slower paced alternative to Spanish III Honors.

NOTE: This is a NCAA approved course.

WORLD LANGUAGES COURSES

***SPANISH IV HONORS**

Course: 528

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Spanish III H (526) or
instructor's consent

Fee: None

Students will strengthen conversational skills while working at a more advanced level. Students will improve reading, writing and listening skills along with using critical thinking skills to perform tasks related to the Spanish language and Hispanic culture. Along with these skills, students will gain fluency to help them function in a Spanish speaking country. As part of the reading selections, students will read authentic selections which include short stories and essays. As always, an important part of a foreign language is the culture as such, students compare and contrast cultural activities and attitudes. Students are expected to speak only Spanish in class. The majority of class is conducted in Spanish. Many pre-AP activities are included to introduce students to higher level thought processes in the language.

NOTE: This is a NCAA approved course.

SPANISH IV R

Course: 529

Credit: 1

Duration: Year

Grades: 11-12

Pre-Req: Spanish III (526 or 527)

Fee: None

Students will continue to strengthen communication skills (speaking, reading, writing, listening) while working at a more advanced level. Students will use critical thinking to perform tasks related to the Spanish language and Hispanic culture. Students will gain fluency to help them function in a Spanish speaking country. Students will read a variety of authentic selections from short stories to essays. Students will explore the culture of a variety of Spanish speaking countries. This course is intended to be a slower paced alternative to Spanish IV Honors.

NOTE: Students taking this course will need instructor's permission to take AP Spanish.

NOTE: This is a NCAA approved course.

***AP SPANISH PS**

Course: 530

Credit: 1

Duration: Year

Grades: 12

Pre-Req: Spanish IV H (528) and/or
instructor's consent

Fee: None

Students will continue to develop fluency and accuracy in the Spanish language applicable to various activities and disciplines focusing on six themes: Contemporary life, Families and Communities, Global challenges, Beauty and Aesthetics, Personal and Public Identities, and Science and Technology. This course is equivalent, both in content and difficulty, to a fourth semester college Spanish language course. All communication skills: speaking, listening, reading, and writing, are emphasized in a cultural and authentic context. Students are encouraged to take the AP exam, which may provide college credit by most colleges and universities. Retroactive credits may also be earned through a university placement test. As per the College Board: In order to best facilitate the study of language and culture, the course is taught in the target language. Class participation is required. Students will be expected to speak only Spanish in class.

NOTE: This is a NCAA approved course.

***Students in these advanced classes should have the ability to either test out of college foreign language requirements or to place into more advanced level university foreign language courses, and thereby earn retroactive credits.**

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