

WISCONSIN HEIGHTS



Vanguards

2021-2022

High School Course Book

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Nondiscrimination Policy

It is the policy of the public schools that no person may be denied admission to any public school in the district, or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, co-curricular, pupil service, recreational or other program or activity because of the person's sex, race, religion, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability or handicap as required by s. 118.13 Wis. Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race and national origin) and Section 504 of the Rehabilitation Act of 1973 (handicap).

The District shall also provide for the reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements. Requests for accommodations shall be made in writing and approved by the building principal. Any accommodations granted under this policy shall be provided to students without prejudicial effect (PI 41.04 of the Wisconsin Administrative Code).

Students have the responsibility to uphold the principles of non-discrimination in accordance with the law. Wisconsin Heights School District encourages informal resolution of complaints under this policy. A formal complaint resolution is available, however, to address allegations of violation of the policy in the school district. Any person who believes that Wisconsin Heights Middle-High School has failed to follow the laws regarding pupil non-discrimination is encouraged to file a written statement of complaint and send to:

District Administrator
Wisconsin Heights School District
10173 US Hwy 14
Mazomanie, WI 53560

Inquiries related to special education needs and/or Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of a disability or handicapping condition, should be directed to:

Director of Pupil Services
Wisconsin Heights School District
10173 US Hwy 14
Mazomanie, WI 53560

Philosophy

Wisconsin Heights High School is a comprehensive public secondary school guided by the professional learning community premise of scholarship for all students. We recognize students as individuals with different educational and social needs and we respond to those needs through robust curricular offerings that are rigorous and innovative.

Students are able to sign up for whatever classes they choose based on their college and career aspirations. We believe 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 a citizen, prepare our students to take their place in adult society.

General Information

Wisconsin Heights High School operates on a nine-period day (one period is lunch). Classes are 47-minutes in length with an additional 4 minutes added to facilitate announcements at the beginning and end of each school day. Four minutes of passing time occurs between periods. There is one lunch period of 30 minutes. Bells sound to start and end each period.

Regular Bell Schedule

Period 1	- 7:55-8:42
Period 2	- 8:46-9:36
Period 3	- 9:40-10:27
Period 4	- 10:31-11:18
Period 5	- 11:22-12:09
Period 6 (Lunch)	- 12:13-12:43
Period 7	- 12:47-1:34
Period 8	- 1:38-2:25
Period 9	- 2:29-3:19

PLC Day (Wednesday) Bell Schedule

Period 1	- 8:20-9:04
Period 2	- 9:08-9:55
Period 3	- 9:59-10:43
Period 4	- 10:47-11:31
Period 5	- 11:35-12:19
Period 6 (Lunch)	- 12:23-12:53
Period 7	- 12:57-1:41
Period 8	- 1:45-2:29
Period 9	- 2:33-3:19

Academic Integrity Policy

The Wisconsin Heights School District values academic integrity 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 of someone else's work as your own personal work).
2. Having or using notes, formulas or other information with 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, including the following:
 - Using the services of a commercial term paper company
 - Using the services of another student
 - Copying part or all of another person's paper and submitting as your own.
2. Handing in a paper in more than one course without consulting both teachers (self-plagiarism).
3. Making up data for an experiment ("fudging data").
4. 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 that as your own work.
2. Misrepresenting your academic accomplishments, such as tampering with computer records.
3. Purposefully 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 a exam when the time allocated has elapsed.
4. Forging a signature.
5. Hoarding or damaging library materials.
6. 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 the principal to determine the appropriate consequences. In every case, administrators and parents will be notified and the case documented.

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. The District may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. Students must have a grade point average of 3.0 or better. The student may participate in the graduation ceremonies with his/her designated class. Application materials are available in the School Counseling Office.

Early Graduation will only be granted to students for:

1. Extenuating circumstances;
2. Exceptional talent that is time-limited;
3. Early military enlistment;

In addition to the requirements outlined above, the student wishing to graduate early shall:

4. Have the written approval of his/her parent(s)/guardian;
5. Have a statement from the school counselor giving the number of completed credits and the grade point average;
6. Have the recommendation of the High School Principal;
7. Have met 1 criterion;

Graduation Requirements

The following graduation requirements have been established for Wisconsin Heights High School.

- 4 credits of English
- 3 credits of Math (Integrated Math 1 and Integrated Math 2 are required.)
- 3 credits of Science (Biology and a Physical Science are required.)
- 3 credits of Social Studies (World History and U.S. History are required.)
- 1.5 credits of Physical Education (Physical Education 9 is required.)
- .5 credit of Health
- .5 credit of Personal Finance
- 8.5 credits of electives
- Civics Exam – The State of Wisconsin mandates that all students must pass a Civics test as part of their graduation requirements. This test is administered through the Social Studies classes, typically in 10th grade. The minimum passing grade is 65%. Students who do not pass the test have an opportunity to retake it.

The courses listed below earn the science credit listed:

Greenhouse Management & Landscaping – 1 credit
Wildlife Management – 1 credit

The courses listed below earn the math credit listed:

Accounting – 1 credit
Computer Aided Design and Prototyping – 1 credit

**Students must earn a minimum of 24 credits to graduate
15.5 required credits and 8.5 elective credits**

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**

Credits – Minimum and Maximum Numbers

All students must carry a minimum of 7 class periods per semester 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 8.0 credits during the school year. Wisconsin Heights High School operates on a semester schedule. One semester course equals .5 credit.

Student Course Fees

Each student will pay an annual fee or \$40.00 for handbook, textbook rentals, student ID. In addition, some courses have an additional fee which is listed in this booklet at the beginning of each department page. Course fees for the 2021-2022 school year will be set by the Board of Education according to the cost of materials needed for the class.

Course fees are due during school registration held in August 2021. Students will not be denied access to take a course because of the inability to pay the course fee. If you have financial difficulty paying the fees, please contact the building principal to discuss payment alternatives.

Scheduling Timeline, Scheduling, and Assignment of Courses

The scheduling process will begin in early spring for the 2021-2022 school year. Class presentations are done by grade level. Each student will receive a course description book (which includes the 4-year plan document), course selection sheet, and a course registration guide sheet. These materials are also posted to our website.

Every effort is made to develop a master schedule according to student needs and interests. The process does involve students, parents and the school counselor. Each student must recognize that the scheduling process is a complex task and that their selections determine curriculum offerings, the final master schedule, and teacher contracts. The amount of time and effort put into a flexible schedule is considerable and once final schedules have been established in May, schedule changes will be exceedingly difficult. **Students will not be allowed to change their schedules because they have “changed their mind: or they “do not want to work that hard”.**

Criteria for a course change are as follows:

- medical reasons which are documented by a physician
- significant changes to the student’s post high school plans
- computer error on the student’s schedule
- two study halls in one semester and none in another
- student in a co-op or Youth Apprenticeship and needs to be free at certain times for his/her job
- student IEP requires that modification be made
- class needs to be added as it is a graduation requirement

Students have the first five days of each semester to request a schedule change for the above criteria with no other consequence. Students would be able to add a class in the first five days of each semester only.

- **After those five days, students** have ten additional school days to change their schedules for the same reasons listed above, but need teacher permission, parent approval, **and any dropped class would result in a “N” (no credit) on the transcript.** Dropping a class after the first five days results in a student being placed in a study hall.
- Regardless of schedule change, students must maintain full time status.
- **Any class dropped after the ten days would result with an “F” on the transcript.** The administrative teach would review extenuating circumstances.

Repeating Failed Classes

Failed required courses must be repeated. Initially, failed classes will be taken either during the following semester - repeating the class - or during the following summer, if offered. Summer credit recovery at Wisconsin Heights is generally reserved for upperclassmen and is taken through PLATO on-line courses and may include an on-site component. Eligibility and enrollment in these courses are per the recommendation of staff members and determined/approved on a case-by-case basis by administration.

Audit

Most courses cannot be taken twice for credit; however, a previously taken course can be audited. If a better grade is earned by auditing a course, the new course grade will be placed on the transcript and the previous grade will be marked as “NG”. If a better grade is not earned, the audited class will receive NG as a grade. Earning a better grade will not earn the student additional credit, but it will improve the student’s cumulative GPA. A grade of “F” is permanent on a transcript and therefore cannot be changed through an audit.

Honor Roll and Grade Point Average (GPA)

The Wisconsin Heights High School Honor Roll and High Honor Roll are based on a 4.0 grading scale. The Honor Rolls are determined by quarter grades. Students who receive a quarterly GPA between 3.0 and 3.749 and have no “D’s”, “F’s” or incompletes are placed on the Honor Roll list. Students with a quarterly GPA of 3.75 or better and have no “D’s”, “F’s” or incompletes are awarded High Honor Roll status.

- Grade Point Average is calculated by dividing total grade points achieved by total credits attempted.
- GEDO and PLATO courses are not included in GPA or class rank.
- Class rank is determined by using semester grades.

Grading Scale

Grade	Grade Points	Grading Scale
A	4.000	100.00 – 92.50
A-	3.667	92.49 – 89.50
B+	3.333	89.49 – 86.50
B	3.000	86.49 – 82.50
B-	2.667	82.49 – 79.50
C+	2.333	79.49 – 76.50
C	2.000	76.49 – 72.50
C-	1.667	72.49 – 69.50
D+	1.333	69.49 – 66.50
D	1.000	66.49 – 62.50
D-	0.667	62.49 – 59.50
F	0.000	59.49 – 0.00
P	0.000	

Class Rank Policy

The Board of Education acknowledges the usefulness of a system of computing grade point averages and class ranking for high school students, both to inform students of their relative academic placement among their peers and to provide students, prospective employers and institutions of higher learning with a predictive device so that each student is more likely to be placed in an environment conducive to success.

The Board authorizes a system of class ranking, for students in grades 9-12. Students who receive an “F” on a required course for graduation must repeat the course. The grade of “F” remains on the transcript.

- A. Grade point average is calculated by dividing total grade points achieved by total credits attempted. Semester grades are used to calculate class rank.
- B. Grade points are calculated on a 4.0 scale.

A = 4.0	B- = 2.67	D+ = 1.33
A- = 3.67	C+ = 2.33	D = 1.00
B+ = 3.33	C = 2.00	D- = .67
B = 3.00	C- = 1.67	F = 0.00

- C. Students who enroll in Advanced Placement courses receive the AP designation on their transcript but do not receive any additional grade points. Students enrolled in college courses while in high school will also receive a designation on their transcript but do not receive any additional grade points.
- D. All course grades are used when calculating a students’ cumulative grade point average.
- E. Credit recovery classes are graded as pass/fail using the high school grading scale. Online courses through an accredited agency or university are graded using the institutions grading scale. Grades are listed on the student’s transcript and are calculated into the cumulative grade point average.
- F. The building principal will evaluate credits from study abroad programs, alternative programs and homeschool programs. The student must provide a transcript from an accredited institution. Students who are homeschooled and who do not have a transcript must submit course syllabi and work samples for review. Students may be granted up to 6.0 credits on a pass/fail basis per academic year.
- G. Credits and marks earned from a different country will be evaluated with the same procedure used when students transfer from a US high school.

Credits Beyond High School

Early College Credit Program (ECCP)

The Early College Credit program allows all public high school students grades 9 through 12 to enroll in a UW System institution, or a private, non-profit institution of higher education, to take one or more nonsectarian courses, for which the student may earn high school credit, post-secondary credit, or both. This also includes summer school classes. If the student is taking the course for postsecondary credit only, the student is responsible for 25% of the actual cost of tuition for the course (only if no undue financial burden). A limit of 18 post-secondary credits per student will be paid under the ECCP program. The technical colleges are not included in ECCP. Any courses taken through the ECCP must not be comparable to a course that is offered at Wisconsin Heights.

Start College Now

Allows high school students enrolled in grades 11 and 12 to take college courses at a Wisconsin Technical College. Any courses taken through the Start College Now Program must not be comparable to a course that is offered at Wisconsin Heights.

Online Courses

One of the goals of the Wisconsin Heights School District is to provide students with multiple learning opportunities throughout their educational experience. Online courses are one way a student can participate in courses that the Wisconsin Heights School District does not currently offer.

- Online courses may not be used to substitute classes currently offered by the District.
- During the school year, students may enroll in 1 online class outside of their regular class schedule. Students may complete coursework during their study hall, but can’t enroll in another study hall in order to enroll in the class.
- Online classes will be a part of a student’s high school GPA.
- Online courses from district approved institutions require pre-approval by the administration.

Youth Apprenticeship

Wisconsin Youth Apprenticeship is a unique opportunity for juniors and seniors to start preparing for a career while still in high school. This program provides the opportunity for work-based learning, occupational instruction, and academic education. As a youth apprentice, students are required to take coursework at the technical college during the school year. The program also requires employment during the school year in a specific area. Students will earn an hourly wage while learning from skilled professionals. Students are required to provide their own transportation to class and worksite. Upon successful completion of the program, students will earn a state competency-based skill certification and possible advanced standing at the technical college.

One or two-year apprenticeships available:

- auto technician
- biotechnology
- finance (accounting, banking, or insurance)
- graphic arts/printing (actual printing, not desktop design)
- health (pharmacy tech, nursing assistant, health information management, or health care foundations)
- hospitality, lodging and tourism (restaurant and food/beverage services or lodging pathway)
- information technology
- manufacturing (production pathway or production operations management pathway)
- production agriculture (animal or plant science)
- welding

NCAA Eligibility Requirements

Students who wish to be eligible for NCAA scholarships should check which Wisconsin Heights courses meet 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 not meet requirements.

Division I	Division II
<p>To play sports at a Division I school, you must graduate high school and meet ALL the following requirements:</p> <ol style="list-style-type: none">1. Complete 16 NCAA core courses:<ul style="list-style-type: none">• 4 years of English• 3 years of Math (Algebra I or higher)• 2 years of Natural/Physical Science (including one year of lab science if your high school offers it)• 1 additional year of English, math or natural/physical science• 2 years of social science• 4 years of additional English, math, natural/physical science, social science, foreign language, comparative religion or philosophy2. Complete 10 core courses, including seven in English, math, or natural/physical science, before the start of the seventh semester (senior year). Once students begin their seventh semester, they must have more than 10 core courses completed to be able to repeat or replace any of the 10 courses used in preliminary academic certification.3. Earn at least a 2.3 GPA in your core courses. Earn an SAT combined score or an ACT sum score that matches your core-course GPA on the Division I sliding scale (http://www.ncaa.org/student-athletes/future/test-scores)	<p>To play sports at a Division II school, you must graduate high school and meet ALL the following requirements:</p> <ol style="list-style-type: none">1. Complete 16 NCAA core courses:<ul style="list-style-type: none">• 3 years of English• 2 years of Math (Algebra I or higher)• 2 years of Natural/Physical Science (including one year of lab science if your high school offers it)• 3 additional year of English, math or natural/physical science• 2 years of social science• 4 years of additional English, math, natural/physical science, social science, foreign language, comparative religion or philosophy4. Earn at least a 2.20000 GPA in your core courses.5. Earn an SAT combined score or an ACT sum score that matches your core-course GPA on the Division II sliding scale. (http://www.ncaa.org/student-athletes/future/test-scores)

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

ALL UW System institutions require a minimum of 17 college preparatory credits from course work completed in high school. College preparatory credit should be distributed as follows.

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

English	4 credits
Mathematic	3 credits (Algebra 1 (Math 1), Geometry (Math 2), Algebra 2 (Math 3))
Social Studies	3 credits
Natural Sciences	3 credits

II. Elective College Credits - 4 credits

“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 2 credits in a single foreign language are required for admission to UW-Madison, and are encouraged 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 Boards’ COLLEGE HANDBOOK, Peterson’s 4 YEAR COLLEGES, etc.

TESTING: Either the ACT test or SAT test is required by the UW SYSTEM. Most students take these tests in spring of their junior year. 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.

Four-Year High School Course Selection Guide

Wisconsin Heights High School requires 24 credits for graduation. Students must select a minimum of 7 credits and a maximum of 8 credits per academic year. Please look below at the number of credits needed to graduate. Think about your future and plan the next few years of high school. What kind of classes do you need to take in order to meet your future goals? Have your teachers, school counselor, and parents help you decide. Use this plan as a general course map for your next four years. The selections that you make are not final; they are just a way to focus in on your educational priorities.

Credits Needed to Graduate from Wisconsin Heights High School:

- 4 credits of English (See English Department descriptions)
- 3 credits of Math (Integrated Math 1 and Integrated Math 2 required)
- 3 credits of Science (Biology and a Physical Science required)
- 3 credits of Social Studies (World History and U.S. History required)
- 1.5 credits of Physical Education (Physical Education 9 required)
- .5 credit of Health
- .5 credit of Personal Finance
- 8.5 elective credits
- Civics Exam – Civics Exam – The State of Wisconsin mandates that all students must pass a Civics test as part of their graduation requirements. This test is administered through the Social Studies classes, typically in 10th grade. The minimum passing grade is 65%. Students who do not pass the test have an opportunity to retake it.

24 credits total to graduate from High School

Four-Year High School Plan

Name: _____ Graduation Year: 20_____

<u>9th Grade</u>	
Courses:	Credits
English	1
World History	1
Biology	1
Math	1
Physical Education 9	.5
Health	.5
Elective _____	_____
Grade 9 Total Credits	_____

<u>10th Grade</u>	
Courses:	Credits
English	1
US History	1
Science – a physical science	1
Math	1
Physical Education	.5
Elective _____	_____
Grade 10 Total Credits	_____

<u>11th Grade</u>	
Courses:	Credits
English	1
Math (1 credit 11 th or 12 th grade)	_____
Physical Education (11 th or 12 th)	_____
Science (1 credit 11 th or 12 th grade)	_____
Social Studies (1 credit 11 th or 12 th)	_____
Personal Finance (if not taken in 10 th grade) OR	.5
Elective _____	_____
Grade 11 Total Credits	_____

<u>12th Grade</u>	
Courses:	Credits
English	1
Math (1 credit 11 th or 12 th grade)	_____
Physical Education (11 th or 12 th)	_____
Science (1 credit 11 th or 12 th grade)	_____
Social Studies (1 credit 11 th or 12 th)	_____
Personal Finance (if not taken in 11 th grade) OR	.5
Elective _____	_____
Grade 12 Total Credits	_____

WHEN TO BEGIN	WHAT TO DO	HOW TO DO IT
<ul style="list-style-type: none"> ○ Freshman and sophomore years 	<p>Learn about college requirements and continue exploring careers. Which high school courses satisfy college requirement? Are you involved in extracurricular activities?</p>	<p>Create a four-year high school curriculum plan. Try job shadowing. Get involved in extracurricular and co-curricular activities. Utilize Xello.</p>
<ul style="list-style-type: none"> ○ September – March of junior year 	<p>Think about your reasons for going to college. What are your goals? What learning opportunities are more important? Do your college plans include career plans?</p>	<p>Talk with your parents, counselor, teachers, and friends. Investigate possible career options and the degree level required. Utilize Xello. Prepare for the ACT.</p>
<ul style="list-style-type: none"> ○ January-March of junior year 	<p>Identify important factors in choosing a college. Two-year or four-year? Location? Cost? Variety of study programs available? Entrance test requirements?</p>	<p>Focus on your goals and career interests. Consult college guidebooks. Explore colleges on the internet. Utilize Xello. Take the ACT.</p>
<ul style="list-style-type: none"> ○ March – August of junior year 	<p>List colleges you are considering and collect information. Have you included all possible choices? What information do you need? How can you get it?</p>	<p>Attend college fairs and college previews. Prepare for and visit colleges.</p>
<ul style="list-style-type: none"> ○ August – December of senior year 	<p>Compare the colleges on your list. Have you weighed the pros and cons carefully? Which colleges will meet your needed?</p>	<p>Continue visiting colleges. Organize information into detailed, useful comparisons. Research and apply to available scholarships</p>
<ul style="list-style-type: none"> ○ September – December of senior year 	<p>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?</p>	<p>Obtain application forms or know where to apply online. Observe deadlines. Submit transcript and test scores. Consult with financial aid office. Secure forms and note deadlines. Complete the FAFSA as soon as possible after October 1. Research and apply to available scholarships.</p>
<ul style="list-style-type: none"> ○ November – May of senior year 	<p>Make some final decisions. What additional preparation might be helpful? Should you consider summer school? Do you feel comfortable with your final choice?</p>	<p>Confer with parents and counselors. Confirm your decision, and decline other admission offers. Research and apply to available scholarships. Show initiative.</p>

Agricultural Education

Agricultural Education Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Advanced Greenhouse Management	Sem.	.5	\$10.00			X	X
Agricultural Leadership	Year	1	N/A		X	X	X
Greenhouse Mgt. & Landscaping*	Year	1	\$20.00		X	X	X
Food Science	Sem.	.5	\$25.00		X	X	X
Large Animal Care	Sem.	.5	N/A	X	X	X	X
Small Animal Care	Sem.	.5	N/A	X	X	X	X
Wildlife Management *	Year	1	\$25.00	X	X	X	X

*Greenhouse Management & Landscaping or *Wildlife Management may be taken to satisfy the 3rd science credit requirement.

Advanced Greenhouse Management

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Greenhouse Management & Landscaping; 11 – 12
 Description: Did you ever want to design a golf course, grow plants in the greenhouse or study topiary art? Then this is the course for you! This class is designed to cover advanced opportunities in the green industry. Hands-on activities will cover golf course design, aquaponics, nursery production and research. Students in this class will be in charge of the school's greenhouse and will conduct all plant sales from this facility.

Agricultural Leadership

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 10 – 12
 Description: This is a dynamic class for every student who wants to make a difference in the school or community! This class emphasizes the importance of leadership skills and provides practical activities. Careers, etiquette, positive school atmosphere, team work, developing service projects, time management, global agriculture, résumé building,

job interview skills, and leadership are just a few topics covered.

Greenhouse Management & Landscaping

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 10 – 12
 Description: Explore one of the fastest growing careers in the agricultural industry – horticulture. Time will be spent in the school greenhouse growing and working with various plants, gardening, pruning, hydroponics, and lawn management.

Other topics are growing bonsai trees and poinsettias, creating holiday wreaths, stepping stones, making floral arrangements as well as CADD landscaping.

This class is also in charge of the spring plant sale. Students will select, transplant, and grow over 3,000 plants for the community.

Food Science (offered 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 10 – 12
Description: This class is for anyone who eats! Understand the biotechnology and chemistry of foods, food safety, dairy industry, meat science, food needs around the world, and food processing. From growing to processing to packaging to consumption, students will gain a better understanding of the science that goes into the food they eat. We will also study the science behind flavoring, coloring, odors and preserving. This class will be team taught with the Family & Consumer Science teacher.

Large Animal Care (not offered 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: This class is designed to teach about the large animal industry. A variety of animals will be discussed including horses, dairy and beef cattle, swine, poultry and sheep. Exotic animals such as alligators, crocodiles and dolphins are also covered. Hands-on activities are a major portion of this class.

Small Animal Care

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: This class is designed to teach about the small animal industry. Pets are special creatures, whether they are dogs, cats, rabbits or any other companion animals. The course will cover feeding, breeding, health and veterinary practices, psychology, behavior and training. Students will also have the opportunity to bring their animals into class. If you enjoy small animals and would like to be in an exciting hands-on class, then this class is for you!

Wildlife Management

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: None; 9 – 12
Description: This class is designed to teach about the exciting world of wildlife conservation and the outdoors. This class is a fast paced, hands-on course developed to teach a variety of topics including wildlife identification, archery, survival in the outdoors, habitat, soil and water testing, raising of wild animals, tying flies, designing duck calls, taxidermy (fish, pheasant, and squirrel), Boone and Crockett scoring and much, much more!

Art

Art Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Art 1	Sem.	.5	\$20.00	X	X	X	X
Ceramics 1	Sem.	.5	\$15.00	X	X	X	X
Ceramics 2	Sem.	.5	\$15.00	X	X	X	X
Creative Arts	Sem.	.5	\$20.00		X	X	X
Drawing 1	Sem.	.5	\$20.00	X	X	X	X
Drawing 2	Sem.	.5	\$20.00	X	X	X	X
Painting	Sem.	.5	\$20.00	X	X	X	X
Photography	Sem.	.5	\$38.00		X	X	X

Art 1

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 9 – 12
 Description: This course is studio oriented to expose students to a variety of media and techniques. Students will study art history, the elements and principles of design, art criticism, and aesthetics. Some media explored include pencil, oil pastel, paint, clay, wire, colored pencil, and ink. This course is designed to give students a broad base of knowledge which will successfully move them to a more advanced art course.

Ceramics 1

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 9 – 12
 Description: This studio-oriented class is an introduction to understanding clay as an artistic medium. Emphasis will be placed on both hand building and throwing on the potter's wheel. Students will experiment with a variety of finishing processes including under glazing, glazing and painting. Students will create functional as well as nonfunctional ceramics pieces. Creativity, personal expression, and development of good technique will be cultivated.

Ceramics 2

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Ceramics 1 (C or higher); 9 – 12
 Description: This class is designed to allow students to master different aspects of hand building, throwing, and various finishing processes. Emphasis will be placed on craftsmanship, design, production, and working in a community of ceramic students. A unit on sculpture will also be included. Students will be required to outline their goals and projects each quarter and to reflect upon their work.

Creative Arts

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Art 1 or Consent of Instructor; 10 – 12
 Description: This is for students who are interested in the field of fine crafts. Students will be introduced to a variety of media such as formed glass, mosaic, weaving, calligraphy, book making, recycled art, metals, silk screen, jewelry, installation art, and other fine craft. Students will be required to write and talk about their work. They will be required to research the history of fiber arts, craft, outsider art, folk art, and other aspects of art history.

Drawing 1

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Art 1 (C or higher) or Consent of Instructor; 9 – 12

Description: Students will be introduced to a variety of drawing techniques and media. Students will study line, shape, space, value, texture, and explore composition, still life, perspective, figure drawing, drawing the face and other aspects of drawing. Students who choose this class should have a strong interest in learning how to draw. They will also continue the path of learning in regard to art criticism, aesthetics, history, and culture. Students will develop their skills, concentrating on expression and craftsmanship. Students will be required to keep a sketchbook, with specific assignments based on the larger assignments in class. It will be graded weekly, and each quarter. Students will be required to write about their art, and research artists, art periods, and art careers.

Drawing 2

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Drawing 1 (C or higher) or Consent of Instructor; 9 – 12

Description: Students will continue to hone their drawing skills, finding where their strengths lie. Students will work on finding a niche, a style, and imagery to take them to the next level, whether it is college or making a business for themselves as professional artists.

Painting

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Art 1 (C or higher) or Consent of Instructor; 9 – 12

Description: Students will be introduced to a variety of painting techniques and media. Students will study color theory, composition, abstract, realism, and other aspects of painting. They will continue learning about art criticism, aesthetics, history, and culture. Students will develop their skills, concentrating on expression and craftsmanship. Students will be required to write and talk about their artwork, as well as their peers' artwork. Students will be required to do research on artists, art periods, and techniques of painting.

Photography

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: None; 10 – 12

Description: Students will be introduced to the basics of black and white photography. They will study the math and science of photography as well as composition. Students will be required to perform all aspects of development, including film and prints. They will also be required to write about their work, and research the history of photography and photographers. Digital photography, image editing, and creating images using Adobe Photoshop will also be included. **This course has a \$20.00 fee plus an additional fee of \$18.00 to cover photo paper and film.

Business Education

Business Education Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Accounting (DC)*	Year	1	\$20.00		X	X	X
Ed. For Employment	Sem.	.5	N/A		X	X	X
Marketing Principles (DC)	Sem.	.5	N/A		X	X	X
Marketing – Social Media & Marketing (DC)	Sem.	.5	N/A		X	X	X
Microsoft Office 1 (DC)	Sem.	.5	N/A	X	X	X	X
Microsoft Office 2 (DC)	Sem.	.5	N/A	X	X	X	X
Personal Finance	Sem.	.5	N/A			X	X
Web Design/Graphics	Sem.	.5	N/A		X	X	X

Personal Finance is required. Course can be taken in 11th or 12th grade.

*Accounting may be taken to satisfy the 3rd math credit requirement.

Accounting (DC)(EM)

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 10 – 12
 Description: Introduction to the field of accounting. The accounting cycle of journalizing transactions, posting, adjusting and closing entries, as well as the preparation of accounting statements is emphasized for service industries and merchandising concerns. Details of accounting for cash and receivables are studied. An introduction to a computerized accounting system is also included in this course.

Student who go on to earn a "C" or better will earn 3 credits from Madison College.

Education for Employment

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Microsoft Office 1 or instructor's consent; 10 – 12
 Description: This course will educate and teach workplace skills and attitudes needed to succeed in today's ever-evolving workplace. Topics covered will include workplace trends, changing technology, interviewing skills, letters of applications, résumé, career exploration, problem solving, social skills, time management, and a variety of others.

This course is a recommended for students interested in Youth Apprenticeship and/or gaining credit for Work Experience.

Marketing Principles (DC)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 10 – 12
Description: In this course, students will learn the fundamentals of Marketing. This foundation course introduces students to the marketing process and how it operates in today's dynamic organizations. The entire marketing mix is examined on a broad scale. Topics include: market segmentation and targeting strategies, market research, consumer behavior, product development, pricing policies, distribution, and an overview of promotion. This basic course provides a comprehensive overview of the exciting world of marketing.

Students with a grade of "C" or better will receive 3 credits from Madison College.

Marketing – Social Media & Marketing (DC)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: "C" of better in Marketing Principles; 10 – 12
Description: Social Media has transformed advertising from a long-term mass medium to a one-to-one communication, utilizing almost instant feedback. How businesses are using Social Media as advertising tools as well as how to create and deploy a Social Media campaign will be the main focus of this class. Additionally, the history and development of Social Medias such as Facebook, YouTube, Twitter, and LinkedIn will be explored as well as the many ethical and potential legal concerns that have arisen over these new forms of communication. Finally, the concept of Viral Marketing will be examined and how it allows a Social Message to explode a message to millions of users in a brief time.

Students with a grade of "C" or better will receive 3 credits from Madison College.

Microsoft Office 1 (DC)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: In this course, students will learn the Microsoft programs of Microsoft Word and Microsoft PowerPoint. Both offer students learning in the industry standard programs for desktop publishing and presentation software.

Students will complete learning and projects that guide them toward proficiency in these industry standard programs.

This course is a pre-requisite for all students who want to take Work Experience.

Student with a grade of "C" or better will earn 1 credit from Madison College.

Microsoft Office 2 (DC)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: In this course, students will learn the Microsoft programs of Microsoft Excel and Microsoft Access. Both offer students learning in the industry standard programs for spreadsheets and database management.

Students will complete learning and projects that guide them toward proficiency in these industry standard programs.

Student with a grade of "C" or better will earn 1 credit from Madison College.

Personal Finance

Course Type:	Required
Credit:	.5
Course Length:	Semester
Prerequisite/Grade:	None; 11 or 12
Description:	Students prepare for the “real world” by managing their financial life in the areas of car buying, renting and home buying, savings and investment options, all types of insurance, budgeting, preparing personal income taxes, consumer spending habits, consumer protection, and personal financial management. This course will teach students how to manage a checking account, how to manage credit wisely, and how to set long-term financial goals.

Web Design/Graphics

Course Type:	Elective
Credit:	.5
Course Length:	Semester
Prerequisite/Grade:	None; 10 – 12
Description:	Web Design will provide students with the technology skills and knowledge needed to become effective communicators in this exciting new medium. This class will focus on web page content, planning, design, setup, and maintenance of a web site. Students will create a web site with multiple pages and functions using Dreamweaver. Students will become familiar with terms and components of the internet and design considerations that affect web page construction. The course will also explore different graphic and presentation applications such as Photostory, Movie Maker, and Photoshop.

English

English Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
American Character	Year	1	N/A			X	
American Literature	Year	1	N/A			X	
AP English & Composition	Year	1	N/A			X	X
College Reading and Writing (DC)	Year	1	N/A			X	X
Comparative Literature	Year	1	N/A	X			
Contemporary Literature (English 10)	Year	1	N/A		X		
English 9	Year	1	N/A	X			
Research in the Sciences & Humanities	Year	1	N/A		X		

Four (4) English credits are required for graduation.

9th Grade
Required – English 9 or Comparative Literature

English 9

Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 9
 Description: This course focuses on the basic parts of speech as well as an emphasis on punctuation. Students will also work on various writing assignments and do research as well as develop and deliver effective oral presentations. There will also be an emphasis on literature in this course in the form of novels, short stories and various works of non-fiction.

Comparative Literature

Credit: 1
 Course Length: Year
Prerequisite/Grade: Consent of Instructors; 9
 Description: In this class we will focus on analysis and appreciation of literature from a variety of cultures, times and genres. The class is structured around themes and ideas and common questions addressed by authors from widely divergent places and times. This course has two main objectives: to explore the differences that arise in texts from different cultures and times, and to recognize the universal issues and concerns that appear not only in the works we read, but also in our own lives and experiences. This course is meant to be a challenging alternative to English 9. It involves reading a large quantity of complex texts; participating in frequent discussions, debates and presentations; and crafting many diverse writing assignments.

10th Grade

Required – Contemporary Literature or Research in the Sciences and Humanities

Contemporary Literature (English 10)

Credit:	1
Course Length:	Year
Prerequisite/Grade:	English 9; 10
Description:	This one-year course is designed to meet the 10th grade reading, writing, speaking, and listening standards determined by the English Language and Reading Arts Common Core State Standards. Using a series of thematically arranged units, students will read and analyze fiction and non-fiction writings from multiple genres. Performance assessments for this course include presenting speeches; writing analytical, persuasive and research essays; and participating in panel discussions.

Research in the Sciences and Humanities

Credit:	1
Course Length:	Year
Prerequisite/Grade:	Consent of Instructors; 10
Description:	This research and composition class covers a lot of ground! The first and second quarters we will read a memoir and introduce a variety of research methods, including strategies for using databases, searching the internet, determining credibility and bias, incorporating researched information into papers and projects, citing sources correctly, and avoiding plagiarism. We will also work on composition and revision skills for many different kinds of written pieces. During the remainder of the year, students will work independently and collaboratively to develop these research and composition skills and to produce high quality research papers and projects. Students will be expected to instruct the class about their research topics and to participate actively and civilly in discussions and debates.

This challenging class, meant to be an alternative to English 10, will push students to learn quickly, work well independently and in small groups, and manage their time and tasks responsibly.

11th Grade Required English Courses

American Character or American Literature

College Reading and Writing or AP English may be taken *in addition* to one of the required 11th grade English courses. See course descriptions under
12th Grade Required English Courses.

American Character

Credit:	1
Course Length:	Year
Prerequisite/Grade:	Consent of Instructors; 11
Description:	American Character is a college prep course that is an advanced version of American Literature. The main difference between American Character and American Literature is that this course takes a more in-depth look at classic American writers, includes more writing and moves at a faster pace. It is expected that students who take this course will possess advanced reading and writing skills. American Character is especially meant for those students who are interested in taking AP English as seniors.

American Literature

Credit:	1
Course Length:	Year
Prerequisite/Grade:	English 9 & 10; 11
Description:	This course studies the chronological development of American Literature from early colonial writing through twentieth century Pulitzer Prize winners. Students analyze quality literature while learning about the historical periods during which they were written. Students are also asked to apply the themes and ideas of this classic literature to their own lives. Non-fiction texts will also be included. The second major emphasis of the course is essay writing. Students are required to express their viewpoints in well-structured objective compositions that are often based on the literature that is read. Finally, there is an emphasis on building vocabulary. College Reading and Writing or AP English and American Literature may be taken simultaneously with the consent of the instructors.

12th Grade Required English Courses
AP English Language and Composition, or
College Reading and Writing

AP English Language and Composition

Credit: 1
Course Length: Year
Prerequisite/Grade: Consent of Instructors; 11 – 12
Description: This course is a very challenging option for college-bound seniors. The focus of the course is preparation for the AP English Language and Composition Exam and for advanced collegiate English courses. Students will be asked to read a variety of materials, both fiction and non-fiction, from different genres including plays, epic poetry, biography, history, science, politics and journalism, and to write essays for a variety of purposes. Students who are interested in taking this course should have a strong background in English, be reading at an adult level with at least a literal comprehension, and be willing to write and revise extensively. It is recommended, though not required, that students who are considering taking this course will have taken Comparative Literature, and American Character. Students should be academically and personally prepared for rigorous course work and a heavy homework load.

Students will be expected to take the AP English Language and Composition Exam in May which costs \$100.

College Reading and Writing (DC)

Credit: 1
Course length: Year
Prerequisite/grade: English 9-11 (1 credit each year of required English courses); 11 – 12
Description: This course focuses on developing college reading and study techniques and offers students extended practice in applying these strategies to a variety of college level materials. Emphasis will be given to developing the critical thinking and reading skills necessary to be successful college readers. The writing portion of the course assumes competence in basic paragraph and essay structure and reinforces principles of composition that employ critical thinking and develop students' grammatical competence and writing style. Through multiple revisions and workshops, students learn and practice effective writing processes. They also develop self-advocacy skills for understanding and managing assignments and information literacy skills to prepare them for post-secondary options in careers or college.

This is a dual credit course with Madison College (MATC – English 10-831-103 & 10-838-105). Students who earn a "C" or better on the midterm exam and a "C" or better in the first semester will earn 3 credits at Madison College.

Those who go on to earn a "C" or better in the second semester will earn an additional 3 credits at Madison College.

Which senior English class should I take?

You have two choices:

AP English Language and Composition

1. It is challenging and fast-paced. Success depends on having a good attitude and being willing to learn and work to develop your own writing. You should have fairly good reading and writing skills when you come in to the class, but if you're sufficiently motivated, you can catch up and do well.
2. This class best for people who enjoy English. AP English teaches you valuable collegiate skills, primarily English-related: writing different kinds of essays, comprehending complicated texts and analyzing them thoroughly, composing essays quickly and efficiently and revising them to be the best they can be.
3. You have a lot of freedom to choose the subjects you write about.
4. AP English emphasizes close reading of difficult and complex texts and writing analytical essays. This class is VERY writing intensive. The texts we read are complicated, but interesting—if you enjoy reading and trying to figure out a text, you will enjoy the reading parts of the class. You will also learn how to write a decent essay in a very short time period—a useful college skill.
5. The AP test gives students the possibility of earning college credit at nearly any college, including colleges in the UW system and Madison College (MATC). Every college is different, so you should check with the college(s) you are considering to find out how many credits you get for the score you earn. Your college credits depend on your test score.

College Reading and Writing

1. CRW is challenging, but not as fast-paced as AP English. Success depends on attitude, work ethic, and willingness to take responsibility for your own work, but you can start out with less-than-perfect reading and writing skills and still do well if you work at it.
2. This class teaches you valuable collegiate skills that are applicable to **any** subject area: reading textbooks and other texts effectively, taking good notes, writing different kinds of essays, researching and writing an argumentative research paper.
3. You have a lot of freedom to choose the subjects you write about.
4. CRW emphasizes building comprehension through close, thorough reading of moderately difficult texts. It also gives more general study and reading skills, applicable to any subject area. There are far fewer essays than AP English, but there is still a lot of writing and revising, just at a slower pace.
5. Earning a C or better on the exams and in the course allows students to earn 3-6 credits at Madison College. These credits may also be counted as English or elective credits at other colleges. You should check with the college(s) you are considering to find out whether you can get college credit for this course.

Family and Consumer Science

Family and Consumer Science Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Baking & Pastry Arts	Sem	.5	\$25.00	X	X	X	X
Child Development	Sem.	.5	\$5.00		X	X	X
Food Science	Sem.	.5	\$25.00		X	X	X
Housing and Interior Design	Sem.	.5	N/A	X	X	X	X
Intro to Culinary	Sem.	.5	\$25.00	X	X	X	X
Professional Foods	Sem.	.5	\$25.00	X	X	X	X
Textile and Fashion Design	Sem.	.5	\$25.00	X	X	X	X
World of Culinary	Sem.	.5	\$25.00	X	X	X	X

Baking & Pastry Arts (offered in 2021-2022)

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Intro to Culinary; 9 – 12
 Description: Students in Baking & Pastry Arts take on the world of pastry chefs. Baking principles and procedures will be examined and applied through hands-on practice and food labs. Possible cooking units include pastries, pies and tarts, shortened cakes, whipped-cakes, cake decorating, cookies & cookie decorating, quick breads, yeast breads, and other baked goods of student interest. Students will also explore measuring using weight, calculating baker's percentage, cost analysis of baked goods, and industry standards for commercial baking.

Child Development (not offered 2021-2022)

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 10 – 12
 Description: Do you have a career interest related to children such as teaching, social service, or medicine? Are you concerned and interested in your future role as a parent? This course focuses on the roles and responsibilities of parenthood, pregnancy and childbirth,

development from birth to age five, toys and play, snacks and activities for children, appropriate guidance, and child abuse. Students completing the course are more employable in child care-related jobs.

Food Science (offered 2021-2022)

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 10 – 12
 Description: This class is for anyone who eats! Understand the biotechnology and chemistry of foods, food safety, dairy industry, meat science, food needs around the world, and food processing. From growing to processing to packaging to consumption, students will gain a better understanding of the science that goes into the food they eat. We will also study the science behind flavoring, coloring, odors and preserving. This class will be team taught with the Agriculture teacher.

Housing and Interior Design (offered 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: Create your “dream home” while learning the basics of space planning and interior design. Whether you are headed to a career in real estate, a job in the construction industry, or future home ownership, this class is for you!

Students will explore housing-related issues including buying vs. renting, environmental concerns, and choosing a home and furnishings.

Intro to Culinary

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: Students will learn the fundamental knowledge associated with the culinary arts profession and will apply it into lab procedures and techniques of simple food preparation. Topics of study would include food safety and sanitation, kitchen safety, lab procedures, knife skills and preparation techniques of pasta, sandwiches, soups, quick breads, fruits, vegetables, and eggs just to mention a few.

Professional Foods (offered in 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: Intro to Culinary; 9 – 12
Description: This product-based course introduces students to the many career opportunities available in food service, one of the fastest growing industries in the United States. Students will learn the principles of cooking foods from scratch. Whether you are interested in a foods-related career or you just enjoy spending time cooking, this class is for you. This class will focus on savory dishes.

Textile and Fashion Design (not offered 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9 – 12
Description: Textile and Fashion Design will introduce students to the history, design, selection, construction and care of textiles, clothing and accessories. It will provide basic experience in sewing and construction techniques. The course begins with topics such as color schemes, the elements and principles of design, and fabric and fiber types. Students will apply these design basics into a variety of projects that include skills such as hand-stitching and machine stitching. It will be a hands-on class requiring students to tap into their creativity and tactile skills.

Students are responsible for purchasing all of their own material and supplies for this class.

World of Culinary (not offered in 2021-2022)

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: Intro to Culinary; 9 – 12
Description: Learn how selection and preparation of food are influenced by your cultural heritage, lifestyle, and where you live in the world. Prepare international foods using a variety of advanced cooking techniques. Be prepared to expand your palate and try something new!

Foreign Language

Foreign Language Department Course Offerings

COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Spanish 1	Year	1	N/A	X	X	X	X
Spanish 2	Year	1	N/A	X	X	X	X
Spanish 3	Year	1	N/A		X	X	X
Spanish 4	Year	1	N/A			X	X
Spanish 5	Year	1	N/A				X

Spanish 1

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 9 – 12
 Description: This is a beginning course for students who have had no Spanish. Emphasis will be on spoken and written Spanish as well as reading fluency.

Spanish 2

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Spanish 1; 9 – 12
 Description: This is an intermediate Spanish course with emphasis on helping students develop proficiency in speaking, reading, and writing in the past, present, and future tenses. The course also aims to increase the student's knowledge and appreciation of the culture. Please note that students must earn a "C-" or better in Spanish 1 to enroll into Spanish 2.

Spanish 3

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Spanish 1 – 2; 10 – 12
 Description: This is an intermediate/advanced Spanish course with emphasis in speaking, reading, and writing Spanish in the past, present, and future tenses. Students will also use more advanced Spanish language interaction skills. Please note that students must earn a "C-" or better in Spanish 2 to enroll into Spanish 3.

Spanish 4

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Spanish 1 – 3; 11 – 12
 Description: The primary goal of this course is to help students develop advanced proficiency in Spanish. Students who successfully complete this course will possess advanced skills in speaking, reading and writing as well as advanced conversational skills. Upon completion of this course, students should expect to enter the fourth or fifth semester of University Spanish, as determined by the UW-system Placement Test. Please note that students must earn a "C-" or better in Spanish 3 to enroll into Spanish 4.

Spanish 5

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Spanish 1 – 4; 12
 Description: The primary goal of this course is to help students develop advanced proficiency in Spanish. Students who successfully complete this course will possess advanced skills in speaking, reading and writing as well as advanced conversational skills. Upon completion of this course, students should expect to enter the fourth or fifth semester of University Spanish, as determined by the UW-system Placement Test. Please note that students must earn a "C-" or better in Spanish 4 to enroll into Spanish 5.

Math

Math Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
AP Calculus	Year	1	N/A			X	X
Elementary Algebra with Applications (TC)	Year	1	N/A			X	X
Integrated Math 1	Year	1	N/A	X	X	X	
Integrated Math 1 Lab	Year	1	N/A	X	X	X	
Integrated Math 2	Year	1	N/A	X	X	X	X
Integrated Math 2 Lab	Year	1	N/A	X	X	X	X
Integrated Math 3 (Algebra 2)	Year	1	N/A		X	X	X
Pre-Calculus	Year	1	N/A		X	X	X
Statistics	Year	1	N/A				X

Three (3) Math credits are required for graduation.

Integrated Math 1 and Integrated Math 2 are required. Two-year & Four-year universities require Integrated Math 1 (Algebra), Integrated Math 2, (Geometry), and Integrated Math 3 (Algebra 2) minimally. In addition to the other Math courses listed here, Accounting or Computer Aided Design and Prototyping may be taken to satisfy the 3rd math credit requirement.

AP Calculus

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite/Grade:	Pre-Calculus (C or higher or consent of instructor); 11 – 12
Description:	The main goal of this course is preparation for the Advanced Placement Calculus AB Examination, which is administered in mid-May of each academic year. It combines the primarily college-oriented material with a variety of hands-on experiments, lab activities and projects that reinforce and invigorate the formal mathematical content, while illustrating the concrete and technological applications of calculus in science, engineering, and other fields. Graphing calculator required.

Elementary Algebra with Applications (TC)

Course Type:	Elective
Credit:	1
Course Length:	Year
Prerequisite/Grade:	Math 1 & Math 2 (C or higher or consent of instructor); 11 – 12
Description:	This course offers traditional algebra topics with applications. Learners

develop algebraic problem-solving techniques needed for technical problem solving and for more advanced algebraic studies. Topics include linear equations, exponents, polynomials, rational expressions, and roots and radicals. Successful completion of this course prepares learners to succeed in technical mathematics courses.

While this class meets graduation requirements in math, it does not meet admission requirements for universities. Two-year & Four-year universities require Integrated Math 1 (Algebra), Integrated Math 2, (Geometry), and Algebra 2 minimally. **Graphing calculator required.**

This is a transcribed Madison College (MATC - MATH 10834110) course in which students will earn 3 credits at MATC if they receive a “C” or better on the final and a “C” or better for the overall grade.

Integrated Math 1

Course Type: Required
Credit: 1
Course Length: Year
Prerequisite/Grade: 8th Grade Math; 8 – 11
Description: In this introductory course, students integrate concepts of algebra, geometry, statistics, probability, and problem solving. Students develop mental math skills, algebraic routines, connections between topics, and problem-solving skills.
Graphing calculator not required.

Integrated Math 1 Lab

Course Type: Required for recommended students
Credit: 1 credit elective
Course Length: Year
Prerequisite/Grade: Math department teacher recommendation; 9 – 11
Description: This is a supported class where students get extra time and help to understand the concepts learned in Integrated Math 1.

Integrated Math 2

Course Type: Required
Credit: 1
Course Length: Year
Prerequisite/Grade: Math 1; 9 – 12
Description: In this continuation course, students build upon skills from Integrated Math 1 to further explore topics of algebra, geometry, statistics, probability, and problem solving. Integrated Math 2 takes a multi-faceted approach to learning. Students develop mental math skills, algebraic routines, connections between topics, and problem-solving skills.
Graphing calculator not required.

Integrated Math 2 Lab

Course Type: Required for recommended students
Credit: 1 credit elective
Course Length: Year
Prerequisite/Grade: Math 1 Lab; 9 – 12
Description: This is a supported class where students get extra time and help to understand the math concepts covered in Integrated Math 2.

Integrated Math 3

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Math 1 & Math 2; 10 – 12
Description: In this continuation course, students build upon the skills from Math 2 to explore advanced topics of algebra, geometry, statistics, probability, and problem solving. Integrated Math 3 takes a multi-faceted approach to learning. Students learn to integrate advanced mental math skills, algebraic routines, connections between topics, and problem-solving skills.
Graphing calculator not required.

Pre-Calculus

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Math 2 and Algebra 2 (C or higher or consent of instructor); 10 – 12
Description: This course is designed as a preparation for college level mathematics. Topics of study include: statistics, quadratic equations, inequalities, functions, exponents, logarithms, probability, and trigonometry.
Graphing calculator required.

Statistics

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Algebra 2; 12 (or consent from instructor)
Description: This statistics course is suitable for students planning to further their education in the fields of psychology, sociology, education, allied health, business, economics, humanities, communications and liberal arts. Content will include an introduction to statistics, describing and exploring data, probability and distributions, hypothesis testing with mean and standard deviation, correlation and regression, modeling, interpreting results, sample sizes, and a statistical project. This course will use technology, and projects will be required.
Graphing calculator required.

Music

Music Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Band	Year	1	N/A	X	X	X	X
Concert Choir	Year	1	N/A	X	X	X	X
Music Appreciation	Sem.	.5	N/A	X	X	X	X

Band

Course Type: Elective

Credit: 1

Course Length: Year

Prerequisite/Grade: Previous membership in band or consent of instructor to join; 9 – 12

Description: Students are given instructions in concert band playing, marching, and the fundamentals of music. Jazz Band may be offered as an extra-curricular activity for those who participate in High School Band. Students are required to participate in the Solo and Ensemble Festival. Color Guard opportunities during the marching season are available to students with permission of the instructor. Students will be expected to perform throughout the year at various sporting events, concerts, parades, etc. and will be required to take individual or small group lessons each quarter.

Concert Choir

Course Type: Elective

Credit: 1

Course Length: Year

Prerequisite/Grade: Interest in singing; 9 – 12

Description: This two-semester course includes the study of vocal anatomy, choral technique, music theory and appreciation. The choir program emphasizes individual and group development.

All students are required to schedule individual voice lessons outside of the class. This group performs a variety of music styles at various concerts and events during the year. Students are required to participate in the Solo and Ensemble Festival.

No previous musical training is required.

Music Appreciation

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: None; 9 – 12

Music moves us, it entertains us, and it allows us to express opinions and beliefs. Find out how in this non-performance course, as we explore music history.

Physical Education and Health

Physical Education and Health Department Course Offerings

COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Advanced Strength and Conditioning	Sem.	.5	N/A			X	X
Health Education	Sem.	.5	N/A	X			
Lifetime/Team Sports	Sem.	.5	N/A		X	X	X
Outdoor Sports	Sem.	.5	\$25.00		X	X	X
Physical Education 9	Sem.	.5	N/A	X			
Strength and Conditioning	Sem.	.5	N/A		X	X	X
Wellness	Sem.	.5	N/A		X	X	X

- 1.5 credits of physical education are required for graduation.
- Freshmen are required to take Physical Ed 9 and Health.
- Sophomores must sign up for .5 credit physical education class.
- Students may enroll in additional physical education classes beyond 1.5 credits to earn elective credits.

Advanced Strength and Conditioning

Course Type: Elective/Required
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Strength & Conditioning: 11 - 12
 Description: Advanced Strength & Conditioning will build on student's skills and knowledge learned in Strength & Conditioning. Skills and knowledge in strength training will continue to explore a wide variety of training methods and equipment. In addition to speed and agility training. Students will spend part of each week completing a workout program that will help them increase their muscular strength and endurance. The rest of the week will be spend improving students' speeds, agility, mobility, and cardiovascular endurance.

Health Education

Course Type: Required
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 9
 Description: Freshman Health addresses all areas of wellness, including physical, mental, and social health. Students are actively involved as they learn

about making decisions and gaining knowledge in such topics as stress management, depression, suicide, self-injury, bullying, dating relationships, conflict resolution, tobacco, alcohol, drug, nutrition, human development, and preventing infectious diseases. This class is required for graduation.

Lifetime/Team Sports

Course Type: Elective/Required
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 10 – 12
 Description: Lifetime/Team Sports is a class for students who want to compete in sports in a competitive manner. It will include sports such as:

- Basketball
- Badminton
- Pickleball
- Flag Football
- Volleyball
- Floor Hockey
- Soccer
- Softball
- Ultimate Frisbee
- Lacrosse

Outdoor Sports

Course Type: Elective/Required
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 10 - 12
Description: Activities covered:

- Cross-Country skiing
- Speedminton
- Ice Skating
- Kayaking
- Hiking
- Archery
- Walk for Fitness
- Pickleball
- Softball
- Snowboarding/Downhill Skiing
- Golf
- Biking
- Snowshoeing

Physical Education 9

Course Type: Required
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 9
Description: Physical Education 9 focuses on team and individual activities that target large and small motor skills and life-long recreation skills in an atmosphere where individuals respect themselves, their classmates and their teacher. Some of the units are softball, badminton, handball, volleyball, racquetball, soccer, flag football and physical fitness. No grades are based on team victories - grades are individually based on student performance, class participation, class conduct, skill testing and improvement. The progression of skills will be developed from year to year (9-12).

Strength and Conditioning

Course Type: Elective/Required
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 10 - 12
Description: Strength and Conditioning will give students the foundational skills and knowledge to stay physically active through resistance training for the rest of their lives. Four days out of the week will be spent being physically active through either resistance training, flexibility/mobility training, and/or cardiovascular endurance exercise. One day out of the week will be spent in the classroom going in depth on strength and conditioning topics related to the course. Topics to be included are:

- Cardiovascular Endurance
- Muscular Strength/Endurance
- Flexibility & Mobility
- Sleep
- Nutrition
- Power
- Speed & Agility

Wellness

Course Type: Elective/Required
Credit: .5
Course Length: Semester
Prerequisite/Grade: None; 10 - 12
Description: Wellness will cover a variety of health and wellness topics. Three days out of the week will be spent in the classroom going in depth on topics such as sleep, nutrition, exercise, and stress management. Two days of the week will be spent being physically active. This time will be spent resistance training and improving flexibility/mobility. Topics to be covered include:

- Cardiovascular Endurance
- Muscular Strength/Endurance
- Flexibility & Mobility
- Social & Emotional Health
- Stress Management
- Sleep
- Nutrition
- Drugs
- Tobacco
- Alcohol
- Marijuana
- Self Defense

Science

Science Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Anatomy & Physiology	Year	1	\$10.00			X	X
AP Biology	Year	1	\$35.00			X	X
AP Chemistry <small>(physical science)</small>	Year	1	\$35.00			X	X
Aviation & Space Science <small>(physical science)</small>	Sem.	.5	N/A		X	X	X
Biology	Year	1	N/A	X	X	X	X
Biotechnology 1	Sem.	.5	\$30.00		X	X	X
Chemistry <small>(physical science)</small>	Year	1	N/A		X	X	X
Field Ecology	Sem.	.5	\$30.00		X	X	X
Integrated Lab. Science <small>(physical science)</small>	Year	1	N/A		X	X	X
Physics <small>(physical science)</small>	Year	1	N/A		X	X	X

Three (3) Science credits are required for graduation.

Biology and a 1.0 credit Physical Science class are required. In addition to the other Science courses listed here, Greenhouse Management & Landscaping or Wildlife Management may be taken to satisfy the 3rd science credit requirement.

Anatomy & Physiology

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Biology (C or higher or consent of instructor); 10 – 12
 Description: This course explores the structure of the human body and how it functions. After a brief review of cellular biology, the following body systems will be studied in depth: skin and membranes, skeletal, muscular, nervous, endocrine, cardiovascular, digestive, urinary, and reproductive. This course is designed to help students appreciate human body structure, understand the physiological functions of our bodies, and gain lab experience.

AP Biology (not offered in 2021-2022)

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: Biology and Chemistry; 11 – 12
 Description: The aim of this course is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

 AP Biology covers topics that are typically encountered in first year biology courses at the university level. To succeed in AP Biology, students must be highly motivated to learn. Reading and homework requirements for the course are rigorous and require a daily commitment of 1-2 hours outside of class. Exams generally cover several chapters in the text.

 Laboratory activities are suggested by the College Board and many other hands-on activities are conducted.

Students are encouraged, but not required, to take the AP Exam which costs \$100.

Summer readings and work will be assigned and the content will be assessed during the first week of school in the fall.

AP Chemistry (offered in 2021-2022)

Course Type: Elective

Credit: 1

Course Length: Year

Prerequisite/Grade: Chemistry, Algebra 2 or consent of instructor; 11 – 12

Description: Advanced Placement Chemistry is designed to help students prepare for their future endeavors in science related fields. Its focus is preparation for the AP Chemistry Examination. Any student planning on taking Chemistry in college would greatly benefit from this course.

Topics include: equilibrium, thermo chemistry, acids and bases, reactions, electrochemistry, kinetics, organic and nuclear chemistry. This course is fast-paced with an emphasis on laboratory experience.

Students are encouraged, but not required, to take the AP Exam which costs \$100.

Summer readings and work will be assigned and the content will be assessed during the first week of school in the fall.

Aviation and Space Science

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Biology; 10 – 12

Description: This course is designed to give students the basic concepts behind aviation science and space science. In the aviation portion of the course, students will be given a background on the history of aviation and Wisconsin's role in aviation, the physics of flight, aircraft type/structure and maintenance, piloting, and flight planning. Students will be given the opportunity to use models to

demonstrate flight characteristics and design. Students will also visit a local airport to study aircraft structure, the preflight of actual aircraft and FBO operations.

The space science portion of the course will involve a basic overview of the solar system and universe. Emphasis will then be placed on the history of space flight including the impact of the German rocket program, the Russian space program and the Mercury, Gemini and Apollo programs, satellites, and current space missions. The class will conclude with an in depth look at the potential of private space travel, manned missions to Mars, and beyond. Students will again be given the opportunity to use models to demonstrate flight characteristics and design.

Biology

Course Type: Required

Credit: 1

Course Length: Year

Prerequisite/Grade: None; 9, 10 (students who have not completed the requirement)

Description: This course will present biology as an experimental science, demonstrate the status of biology in the 21st century, and illustrate biology's usefulness to students' everyday lives. Students will be exposed to levels of biological organization from the molecular level to the biosphere.

Biotechnology 1

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Biology (C or higher); 10 – 12

Description: This course will emphasize the application of biotechnology to various industries such as agriculture, medicine, and chemistry. It will focus on the history and application of biotechnology, genetic engineering, gene splicing, molecular biology, transformation, PCR and forensic science. The effects of biotechnology on society will be discussed, including the ethical and moral issues of its use.

Chemistry

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Biology and Integrated Math 1 (C or higher); 10 – 12
Description: This is a course designed for college-bound students. The course emphasizes use of quantitative relationships and requires good problem-solving skills. Laboratory experience is central to the course. Topics covered include: laboratory safety, chemical formulas and reactions, chemical quantities and stoichiometry, atomic structure, chemical bonding, chemical periodicity, gas laws, aqueous systems and solutions.

Field Ecology

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: Biology (C or higher); 10 – 12
Description: This course is designed to give the student practical experience in environmental fieldwork. Topics include animal behavior, Wisconsin geology, forestry, wetland ecology and limnology. The course will include field work off school grounds and an optional field trip to Yosemite National Park in California.

Integrated Laboratory Science

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Biology; 10 – 12
Description: Integrated Lab Science will emphasize laboratory experience, thinking skills, and current issues in physical science. An introduction to chemistry, physics, and Earth Science will be followed by in-depth discovery and activities on topics that include energy, food production, forensics, transportation, consumer goods and materials science.

Physics

Course Type: Elective
Credit: 1
Course Length: Year
Prerequisite/Grade: Algebra 2 (C or higher) or concurrent enrollment in Algebra 2; 10 – 12
Description: An applied approach will be used throughout the course. Topic areas include mechanics, sound, light waves, electricity, magnetism, and modern physics. This course is designed for students who will be entering college or technical school.

Social Studies

Social Studies Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
AP Psychology	Year	1	N/A			X	X
Law in America	Sem.	.5	N/A			X	X
Legislative Semester/Current Issues	Sem.	.5	N/A		X	X	X
Modern American History	Sem.	.5	N/A			X	X
Social Problems	Sem.	.5	N/A			X	X
U.S. History	Year	1	N/A		X		
World History	Year	1	N/A	X			

Three (3) Social Studies credits are required for graduation as well as pass the Civics Exam.
(World History and U.S. History are required)

* Civics Exam – Civics Exam – The State of Wisconsin mandates that all students must pass a Civics test as part of their graduation requirements. This test is administered through the Social Studies classes, typically in 10th grade. The minimum passing grade is 65%. Students who do not pass the test have an opportunity to retake it

AP Psychology

Course Type: Elective
Credit: 1
Course Length: Year

Prerequisite/Grade: Completion of 2 social studies credits, teacher consent; 11 – 12

Description: Students who take this exciting course will discover or continue to learn the major concepts common to the science of psychology. Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

This is an advanced Social Studies course that is excellent for students who are interested in human behavior. It is an intensive study in the field of psychology.

Students are encouraged, but not required, to take the AP Exam which costs \$100.

Law in America

Course Type: Elective
Credit: .5
Course Length: Semester

Prerequisite/Grade: World History, U.S. History; 11 – 12

Description: This course acquaints students with everyday problems in consumer law, family law, and criminal law. Students role-play a mock trial as well as a sentencing hearing and a parole board hearing. Students will also develop an understanding of American civil liberties by researching various U.S. Supreme Court decisions which have been instrumental in shaping our freedoms and rights.

Legislative Semester/Current Issues

Course Type: Elective
Credit: .5
Course Length: Semester

Prerequisite/Grade: World History; 10 – 12

Description: Have you ever wondered what it's like to be a member of congress? Have you often thought, "The world would be a better place if I made the rules?" Well, here's your chance!

The Legislative Semester engages students in a semester long simulation of the legislative process. This isn't your usual textbook Civics course. In the Legislative Semester you choose the issues brought to the table and learn about the law-making process by doing. You can look forward to developing a political identity and learning about how laws are written by investigating, writing and voting on bills. Sound good? Then sign up and let your voice be heard!

Modern American History

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: World History, U.S. History; 11 – 12
Description: This course studies recent American history from post-WWII to the fall of the Berlin Wall. Major topics include the Early Cold War, the Civil Rights Era, 1960's culture and counterculture, and the "End" of the Cold War.

Social Problems

Course Type: Elective
Credit: .5
Course Length: Semester
Prerequisite/Grade: World History, U.S. History; 11 – 12
Description: This upperclassmen course is a study of society. Our choices, rights and responsibilities are reviewed. Both individual and group behavior is studied. Included is a brief introduction to major institutions in our society. Much class work will consist of activities applying the ideas from these studies to ourselves and our interaction with others.

United States History

Course Type: Required
Credit: 1
Course Length: Year
Prerequisite/Grade: World History; 10
Description: This course studies U.S. History from the Post Civil War period through World War II by applying the principles expressed in the U.S. Constitution. Basic ideas and skills, such as cause and effect relationships, economic interdependence, and historical evidence to solve problems, are taught to create a better understanding of contemporary American History.

World History

Course Type: Required
Credit: 1
Course Length: Year
Prerequisite/Grade: None; 9
Description: This course studies human development beginning with the ancient and classical civilizations and continues through the modern era. Emphasis is placed on geography, the daily lives of people in different times and places, and the development of different political, social, and economic institutions. An ongoing theme for this course will be the recognition of cause and effect throughout history and how historical periods interconnect.

Technical Education

Technical Education Department Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Computer Aided Design & Prototyping*	Year	1	\$30.00	X	X	X	X
Construction	Sem.	.5	\$30.00	X	X	X	X
Independent Study (Advanced Learning)	Sem.	.5	\$40.00			X	X
Intro to Manufacturing	Sem.	.5	\$25.00	X	X	X	X
Manufacturing Enterprise	Sem.	.5	\$25.00	X	X	X	X
Metal Fabrication	Year	1	\$60.00	X	X	X	X
Small Engines/Consumer Auto	Sem.	.5	N/A	X	X	X	X

*Computer Aided Design and Prototyping may be taken to satisfy the 3rd math credit requirement.

Computer Aided Design and Prototyping

Course Type: Elective
 Credit: 1
 Course Length: Year
Prerequisite/Grade: None; 9 – 12
 Description: This is a fun and interactive class that teaches students to design and create objects using 3D design software. Everything that is manufactured starts with a design and this class will teach student how to create amazingly realistic parts. This course will combine the use of 3D design software and rapid prototyping methods using 3D printing. This course is an excellent choice for students interested in the drafting, engineering, or manufacturing fields.

Construction

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: None; 9 – 12
 Description: This course provides students with an introduction to residential construction and remodeling projects. Student activities include carpentry, blueprint reading, remodeling and repair, safe tool operation and general

construction skills. Students will work together to create a variety of construction projects. This is a great class for someone interested in carpentry, general construction, architecture, or anyone who might want to build or repair their own house someday.

Independent Study (Advanced Learning)

Course Type: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: CADP, Intro to Manufacturing, Manufacturing Enterprise, Metal Fabrication, Construction; 11 – 12
 Description: Independent study courses are made available for students who have taken all of the standard course offerings related to the topic of study.

The successful completion of these classes will be evaluated based on a checklist for each area. Students wishing to enroll in an independent study course must complete an application and meet with the instructor to develop an approved checklist. Students must be in good academic and behavioral standing.

The following content areas are the only independent study options for the technology education department:

- Advanced Welding Processes
- Advanced Wood Processes
- Advanced Design & Engineering

Intro to Manufacturing

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: None; 9 – 12

Description: This course is designed for anyone and everyone! Do you want to know how to safely use power tools? How to build your own projects? If so, this is the course for you!

Develop lifelong skills by learning about the basics of manufacturing and production in this fun filled class. Learn how to use power tools safely and effectively while also learning about basic materials like wood, metals, and plastics.

Manufacturing Enterprise

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Intro to Manufacturing or Materials Processing; 9 – 12

Description: This course is a fun, hands-on way to learn about the broad field of manufacturing! Students will learn about how products are designed, planned, and produced.

Students will work as a group to form a small company in which they will design, produce, package, market, and distribute a product made by using wood, metal, and plastics equipment in the shop

Metal Fabrication

Course Type: Elective

Course Length: Year

Prerequisite/Grade: None; 9 – 12

Description: This course is designed to familiarize students with the principles of welding and metal fabrication.

Students will learn basic welding and metal fabrication concepts. Students will have the opportunity to complete welds in and out of position using GMAW (wire feed welding) and SMAW (stick welding). Students will also learn how to cut metal using an oxy-acetylene torch and plasma cutter.

Small Engines/Consumer Auto

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: None; 9 – 12

Description: The first half of the class, students will learn the proper and safe use hand and power tools to efficiently repair, troubleshoot and rebuild small engines. Students will completely disassemble and assemble a 6.5 hp Briggs and Stratton OHV 4-cycle small engine.

The second half of this class, students will learn how to perform basic preventative maintenance checks on today's cars and light trucks. Do you know how to check your oil? Do you know how to change a flat tire? Learn the basics of automotive care in this hands-on class.

Independent Study, Tutor, Teacher Aide, & Work Release

Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Independent Study	Sem.	.5	N/A			X	X
Tutor/Teacher Aide	Sem.	N/C	N/A		X	X	X
Work Release	Sem.	N/C	N/A			X	X

Independent Study

Course: Elective
 Credit: .5
 Course Length: Semester
Prerequisite/Grade: Successful completion of all courses within a given department; 11 – 12 (This course may only be taken once.)

Description: Independent Study is designed only for the highly motivated student who is deeply interested in an academic area and the student has exhausted all courses within that given department.

The first step is to obtain an Independent Study Proposal form from the School Counseling Office during course selection registration for the upcoming school year.

The student then must contact a teacher in the corresponding department who will accept responsibility for facilitating the student's learning experiences. The student must submit a detailed proposal with objectives, activities/timelines, and methods of evaluation to the supervising faculty member and building principal prior to receiving permission to enroll in the independent study course.

Contracts for independent study must be completed by the student, teacher, parent, and receive administrative approval by the end of the semester prior to enrollment in the proposed course.

Tutor/Teacher Aide

Course: Elective
 Credit: **No credit**
 Course Length: Semester
Prerequisite/Grade: None; 10 – 12

Description: Students may request to be a tutor or teacher's aide to assist a Middle School or High School teacher for no credit.

The first step is to obtain a contract form from the guidance office when students select courses for the upcoming school year. The student then must contact a teacher who will accept the responsibility for facilitating the tutoring or aide experience. A general proposal of tasks to be achieved must be completed by the supervising teacher before the student receives permission to enroll as a tutor or aide.

Students may only tutor or serve as a teacher's aide one class period per day. Teachers are limited to one tutor per class period and one teacher's aide per day.

Students must be enrolled in a minimum of six other classes each semester in addition to the period in which they tutor or serve as a teacher's aide.

Contracts for tutors or teacher's aides must be completed by the student,

teacher, parent, and receive administrative approval.

Work Release Program

Course Type: Elective
Credit: **No credit**
Course Length: Semester
Prerequisite/Grade: None; 11 – 12
Description: **Work Release is different from Work Experience.**

Work Release is a non-credit release hour, designed simply to assist junior and senior working students who are in good academic standing by providing flexibility to their daily school schedule to allow them to go to work during the school day.

Requirements:

Students are to bring in a letter from their employer stating the employment hours the student will be working in order to have work release added into their schedule.

Students must be employed at least three days per week and complete a minimum of 15 hours per week.

Students will turn in their weekly work hours (signed off by their employer) to the Guidance Office.

In addition, ongoing check-ins with the employer will be made to assure that the student is performing well at the job site.

If the requirements are not met, the student will be removed from the Work Release program and scheduled into a class.

Work release is typically offered during the first or last class period of the school day, although release decisions are made on a case by case basis and are dependent on the student's job responsibilities and work schedule.

In order to be allowed the privilege of the Work Release program, students must be on track to graduate and must be enrolled in a minimum of 6 other classes each semester.

Work Experience & Youth Apprenticeship Programs

Course Offerings							
COURSES	Course Length	Credit	Fee	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Work Experience	Sem.	.5	N/A			X	X
Youth Apprenticeship	Year	2	N/A			X	X

Work Experience Program

Course Type: Elective

Credit: .5

Course Length: Semester

Prerequisite/Grade: Microsoft Office 1 or Ed for Employment (or concurrently enrolled); 11 – 12

Description: The Work Experience course teaches employability skills through on-the-job training. The following requirements must be met by students enrolled in the program:

1. High school credit is earned for working at a job **pre-approved** by the instructor.
2. At the beginning of the semester, an **employment contract** must be signed by the teacher, employer, student, and parent/guardian. The contract must specify the student's goals/objectives for the work experience, serve as a reminder of the rules of the program, and guarantee that minimum weekly hours and workdays per week requirements can be met by all parties.
3. A **transportation release** form must be signed by the student's parent/guardian and filed with the work experience instructor prior to departure from school to the work site.
4. **Ongoing evaluation** will be conducted by the work experience instructor and employer to assure educational progress is being made.
5. The student must complete a **minimum of 15 to 20 hours per week** and be **employed at least three days of the week**. Total working hours per school week must correspond with child labor laws.
6. The student must fill out **weekly reports**. If paperwork is not filled out in a timely manner or if a student is terminated from their place of employment, no work experience credit will be issued, and the student will be scheduled into a study hall.

7. The student must turn in monthly pay stubs from place of employment.

Youth Apprenticeship Program

Course Type: Elective

Credit: 2.0

Course Length: Year

Prerequisite/Grade: A minimum of 2 semesters of related classroom instruction is required for each one-year YA program; Ed for Employment class recommended; 11 – 12

Description: Wisconsin's Youth Apprenticeship (YA) program is a part of a statewide School-to-Work initiative. It is designed for high school students who want hands on learning in an occupational area at a worksite along with classroom instruction. This one-or two-year elective program combines academic and technical instruction with mentored on-the-job learning. Students enroll in a Youth Apprenticeship based on the Career Cluster related to their job.

Agriculture, Food & Natural Resources Cluster

Agriculture Youth Apprenticeship
11th Grade – 991; 12th Grade – 992

Finance/Marketing Cluster

Business Information & Technology Youth Apprenticeship
11th Grade – 885; 12th Grade - 890

Hospitality, Lodging & Tourism Cluster

Family & Consumer Sciences Youth Apprenticeship
11th Grade – 779; 12th Grade – 795

Architecture & Construction, Information Technology, Manufacturing Cluster

Technology Education Youth Apprenticeship
11th Grade – 918; 12th Grade - 919

