

2020-21
**COURSE
DESCRIPTION
BOOK**



PLEASE NOTE:

Many courses require specific materials or supplies.
These will be listed as special notes.

This guide is available at monroschools.com

Monroe High School



Students in the School District of Monroe will not be denied admission to, participation in, or be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational or other program or activity because of the person's race, religion, sex or sexual orientation, national origin, pregnancy, handicap, marital or parental status, or other human differences.

Complaints regarding this policy should be addressed to:
Joe Monroe
925 - 16th Avenue, Suite 3
Monroe, WI 53566

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MONROE HIGH SCHOOL COURSE GUIDE

The course guide is designed to give students and parents information on courses offered at Monroe High School. High school course selections can affect a student's ability to achieve his or her post-secondary educational or career goals and may influence future income potential, career success and happiness. Every attempt should be made to plan carefully and accurately, constantly keeping in mind one's capabilities, interests, and work or post-secondary education ambitions. All students should actively seek the advice and counsel of their parents, teachers, and student services personnel in planning their four-year programs.

Course selection

The process of developing a master schedule is a complex one, occasionally resulting in scheduling limitations for students. **It occasionally becomes necessary to cancel some courses because of insufficient student requests, staffing changes or curriculum challenges. There are also situations when courses a student may want in a given trimester meet at the same time; therefore, both cannot be scheduled for the student. The master schedule of courses is designed to keep course conflicts at a minimum, but conflicts do occur. This is particularly true in courses with single or few sections. For these reasons, students would be wise to complete the list of alternate course selections on the course selection form.** Throughout this process, student services staff members are available to assist students with course selections.

Registration guidelines

It is important that students and parents work together to select the best possible student schedule. Please follow the directions carefully. This will facilitate your registration and will reduce the possibility of error.

Student Course Load

Freshmen and sophomore students are required to enroll in five classes per trimester. Juniors and seniors may enroll in four classes per trimester if they are on track to graduate and have earned a Responsibility Pass (RP). Students must request a minimum of six alternate courses during registration. In their 2nd and 3rd trimester, seniors on track to graduate may use up to one period per trimester for Senior Release.

Credit

Credit awarded for each course is shown with the course titles listed in this course description book. Typically, a course meeting daily, five days per week for a full trimester, represents .5 credit. Most credit is earned in the regular program of instruction. A modified or alternative program may earn equivalent credit in special cases. Enrollment in any alternative program requires prior administrative approval.

Guidelines for Class Changes

Monroe High School's classroom schedule is based on the course requests students make during spring registration. When a student's course selection is finalized, a series of commitments on the part of the school is made. Course selection, therefore, is extremely important and should be considered as much a commitment on the part of the student as it is the school. Students are urged to consult with parents, advisors, course instructors, and counselors before making course selections. By changing a schedule, we are altering the number of students in a class, which can produce the following undesirable effects:

- Reduce class size to a point where it would no longer be practical to offer the class
- Increase class enrollment so that a sound learning environment would no longer be present
- Make it difficult for teachers to begin instruction at the start of a trimester
- Suggest to students that prior planning is not important
- Course changes may only be made during the first 3 days of the trimester

Some schedule changes may need a parent and/or teacher signature. Changes that may need a signature could include dropping a core course, requesting a change of teacher or adding/dropping specific elective courses.

Schedules may be adjusted at the end of the school year and during the summer for the following reasons:

- Student fails a required class and needs to make up the credit
- Due to a schedule conflict the student needs to make another choice
- Evidence of scheduling error/computer error
- Student has an incomplete schedule

Requests for a schedule change do not automatically equate to a schedule change being approved.

Schedules will NOT be adjusted for the following reasons:

- Student wishes to drop a course due to changing their mind.
- Change of schedule because of personal preference of lunch or use of RP time.

Senior Release

Seniors who are on pace to graduate may replace one hour with Senior Release during 2nd and 3rd trimester.

Responsibility Pass

Juniors and seniors who are qualify for a Responsibility Pass may use this for one hour each trimester.

Course Fees

Please note that fees listed in this course description book are subject to Board of Education approval. Fees listed are projected for the 2020-2021 school year and subject to change.

Grade Point Average (G.P.A.)

The factors that affect G.P.A. are the credit for the course, the grade received and the weight accorded the course. The G.P.A. is calculated by dividing cumulative grade points by credits attempted.

Grade	Regular Value	Weighted Value (1.0)	Grade	Regular Value	Weighted Value (1.0)
A	4.0	5.0	C	2.0	3.0
A-	3.7	4.7	C-	1.7	2.7
B+	3.3	4.3	D+	1.3	2.3
B	3.0	4.0	D	1.0	2.0
B-	2.7	3.7	D-	.7	1.7
C+	2.3	3.3	F	0	0

Weighted Courses

This list is subject to change and a course's eligibility for transcription is subject to change based on post-secondary institution requirements. Students interested in completing weighted course work should check with the instructor.

The following courses are eligible for 1 point of weight:

AP Art History	AP Psychology	Engineering Design and Development
AP English Literature & Composition	AP Statistics	German 5
AP Biology	AP Studio Art 2D Design	German 5 (CAPP German)
AP Calculus AB	AP Studio Art 3D Design	Intro to Engineering Design
AP Calculus BC	CAPP Personal Finance	Principles of Engineering
AP Computer Science	Civil Engineering & Architecture	Spanish 5
AP Environmental Sciences	Computer Integrated Manufacturing (CIM)	Spanish 5 (CAPP Spanish)
AP US History		
AP Physics		

Virtual Courses eligible for weight:

There are a variety of virtual classes available for weight. See your counselor for more details.

The following courses are eligible for .5 point of weight:

Advanced Chemistry	Classic Literature A	Intro to Microsoft Office
Advanced Metals&Manufacturing	Classic Literature B	Plant & Animal Science
Advanced Writing	College Accounting	Pre-calculus
Biomedical Sciences	Welding 1	Physics
	Welding 2	Anatomy & Physiology

Advanced Placement

The Advanced Placement (AP) Program is a cooperative educational endeavor between secondary schools and colleges and universities. It allows high school students to experience college-level academic learning through AP courses, and gives them the opportunity to show that they have mastered the advanced material by taking AP exams. Students can receive credit, advanced class placement, or both, from thousands of colleges and universities that participate in the Advanced Placement Program. AP courses make substantial academic demands on students.

Students are required to do considerable outside reading and other assignments and to demonstrate the analytical skills and writing abilities expected of first-year students in a strong college program. Some classes require student to complete assignments during the summer. This experience helps them develop the intellectual skills and self-discipline they will need in college.

Selection of advanced placement courses may benefit students in the following ways:

- Provide possible college credits for courses and examinations successfully taken in high school.
- Exempt them from some introductory college courses, thus permitting students to move more quickly into advanced classes.
- Develop, in a high school environment, the study skills and habits they will need in college.
- Bolster their confidence that they can meet college requirements.
- Reduce college costs and time to obtain a degree.
- Colleges view advanced placement experience in a positive fashion for admission.

AP courses are introductory college courses, so they are not easy, but neither are they impossible. AP courses require more time and work, but in doing so you gain in many ways. College officials evaluate courses based on the quality of the course as well as the grade received.

Can I take an AP exam without taking an AP course?

Yes, however, taking an AP course is the best preparation for an AP exam. However, some students who have a strong background in certain areas may be able to perform quite well on an AP exam.

How much credit can I expect to get from an AP course and exam?

You will receive high school credit for taking an AP course. Each college decides which AP exam grades it will accept for credit or for advanced placement. Most colleges accept grades of 3 and above awarding 3 or more college credits. Information about acceptance of AP credits at Wisconsin universities is available through the Gearing Up link at www.uwhelp.wisconsin.edu .

How do I get involved in AP?

An AP teacher or school counselor can help you determine which AP courses may be good for you. Plan ahead in the ninth or tenth grade so you will have the appropriate background courses for the AP class offerings:

- | | |
|-------------------------------------|----------------------|
| AP Art History | AP US History |
| AP English Literature & Composition | AP Psychology |
| AP Biology | AP Physics |
| AP Calculus AB | AP Statistics |
| AP Calculus BC | AP 2D Art and Design |
| AP Computer Science | AP 3D Art and Design |
| AP Environmental Sciences | |

Virtual Advanced Placement Classes

There are a variety of virtual classes available for Advanced Placement. See your counselor for more details.

CAPP

Enrolling in University of Wisconsin Oshkosh Cooperative Academic Partnership Program (CAPP) courses is a convenient and affordable way for high school students to earn concurrent high school and college credit, while developing key skills for future success. Monroe High School offers three CAPP courses: Personal Finance, Spanish 5, and German 5. If you are a junior or senior and meet at least **one** of the following requirements, you may be able to enroll in CAPP:

- Class rank in the top 25 percent
- GPA of 3.25 or above (on a 4.0 scale)
- ACT score of 24 or higher **and** one of the following:
 - Rank in the top 50 percent
 - GPA of 2.75 or above

Instructors may make recommendations for students exceptional in an area, but not meeting the above expectations.

Frequently Asked Questions about CAPP

1. ***The cost of \$300.00 for three credits and \$500.00 for five credits seems expensive. Is it reasonable, and when is the payment due? (Note these tuition figures are subject to change)***

While these are reduced costs we understand that this may be difficult. UW-Oshkosh does offer scholarships to reduce costs if necessary. However, regular tuition at UW-Oshkosh is over twice these charges. Tuition is due in the trimester of the course.

2. ***Do I have to take it for college credit? Can I just take it for Monroe High School credit?***

You do not have to take the college credit. You can take the class at no cost for MHS credit or you can take it for both MHS and college credit if you pay the tuition fee during registration in August.

3. ***What if I don't plan to go to UW-Oshkosh? Will other schools accept these credits?***

The credits earned in CAPP are transferrable to virtually any school you wish to attend. Contact Student Services to see the list of the hundreds of schools that will accept these credits or go to www.uwosh.edu/capp/students/transferring-credits for more information.

4. ***Will I receive a transcript for these credits?***

You must request an official University of Wisconsin-Oshkosh transcript upon successful completion of this class, and CAPP will also be listed on a Monroe High School Transcript.

5. ***Are there any other advantages to taking this course?***

Taking this course demonstrates a willingness to take challenging courses and that's what college admissions officers look for when students apply for college. CAPP courses are evidence of this. In addition, earning college credits before attending college may give students the opportunity to register for classes in college early and allow you to get the classes you want and graduate on time.

6. ***Where can I get more information?***

For more information, go to www.uwosh.edu/capp or see Student Services

Virtual Courses

Students may select virtual courses in the Course Guide by completing the application in the course guide. Students will not be allowed to request virtual courses electronically. By signing this application, a student understands that he/she must start and finish the courses in good standing in order to receive credit. The student understands that virtual courses are self-paced and no instructor will be assigned to assist him/her in this course at Monroe High School. The student understands that requesting this course will not guarantee that this course will be assigned to him/her this school year. Dropping the course(s) or failure in the course(s) may require repayment of fees associated with the course. For a more complete description of course, please contact your school counselor.

Articulation

Through an agreement with Monroe High School, Blackhawk Technical College awards credits for certain courses taken at the high school level. Advanced standing allows a student to gain retroactive, tuition-free credit from past high school courses. Transcription allows for a college transcript of the course. The following courses are Articulated courses:

Animal Science	College Algebra	Welding 1
Plant and Soil Science	Intro to Microsoft Office	Welding 2
Anatomy & Physiology	Food Science & Sanitation	Advanced Const. & Mill
Physics	English Comp	
Accounting	Adv. Metals Manufacturing	

Project Lead the Way

Project Lead the Way (PLTW) is a four year sequence of courses that introduces students to the scope, rigor and discipline of engineering and manufacturing at the college level. As a Certified PLTW program, Monroe is pleased to offer dual credit options for all PLTW courses. This allows student to earn college credit at Milwaukee School of Engineering (and other colleges) for taking a PLTW course at Monroe High School. MHS offers Introduction to Engineering and Design, Principles of Engineering, Computer Integrated Manufacturing, Civil Engineering and Architecture and Engineering Development and Design.

Early College Credit Program/Start College Now

Early College Credit allows Wisconsin public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. Under this program, “institution of higher education” means an institution within the University of Wisconsin System, a tribally controlled college, or a private, nonprofit institution of higher education located in the state. While technical colleges are not eligible institutions under the new program, pupils that have completed 10th grade will continue to have the option to take courses at technical colleges through Start College Now. Start College Now will allow high school students the opportunity to take college courses at Wisconsin Technical Colleges. Students looking to take courses in the fall must turn in the application by March 1, 2021. For spring courses the same application is used, however the due date is October 1, 2020. Students interested in participating in the program should talk with a student services member to complete an application and submit it to the Monroe School Board. <https://dpi.wi.gov/dual-enrollment/eccp>

Early Graduation

Monroe High School offers many courses that are essential in building a strong high school educational background. The senior year, especially the 11th and 12th trimester, is one in which the student is able explore new areas of the curriculum. The final year of high school is a very important part of a student's educational career. Only in special situations should a student forego the opportunities offered in the 11th and 12th trimester.

Early graduation may be permitted according to established procedures for the student who has definite goals in mind and feels that early graduation is part of these goals. If early graduation is anticipated, it should be a planned program involving parents, student, and school personnel. In those instances the following guidelines will be followed:

- Applicant must meet all of the requirements of a four-year graduate.
- Notification should be made to the Student Services Department prior to the beginning of the tenth (10) trimester of school (end of junior year).
- After notification has been made, it will be forwarded to the high school principal and contact will be made with the student's parents to acquaint them with the educational opportunities available to the potential high school graduate.
- An early graduate may return to participate in baccalaureate and graduation exercises subject to the regulations governing all graduates participating in the exercises.
- The Board must review and approve all requests for students to graduate in less than ten (10) trimesters.

Re-taking courses

Students may re-take courses at Monroe High School to refresh or build skills in various areas. When a course is failed and retaken, the failing grade remains on the transcript and is calculated in the GPA. In the case that a course is passed and taken a second time to improve a grade, both grades will be calculated in the GPA and be recorded on the transcript. Credit towards graduation will be counted only once. Special permission must be granted from administration to retake a course that was passed.

Auditing courses

To encourage students to explore and be exposed to areas of the school curriculum that they may not otherwise experience, Monroe High School will allow students in Grade 12 to audit courses. The following regulations apply:

- Students are limited to one audit course per trimester. This course will be considered a contact hour.
- Students auditing courses will receive no grade or credit for the audited course.
- Students must meet the prerequisites for the audited course.
- Audits will be allowed if space and materials exist in the course. The classroom teacher, department chairperson, and administration if necessary will determine this.
- Audit status may be changed to credit status only within the first five days of the trimester. Courses taken for credit may not be changed to audit status.
- Auditing students will be required to attend the class and complete all instructor specified requirements.

Post High School Guidelines

Most Wisconsin Technical College Requirements:

- Two-year Associate Degree programs—recommend similar preparation as that described for the UW System.
- Associate Degree health programs require high school chemistry and ACT.
- Post-secondary testing (which could include ACT scores or Accuplacer) are required for admission to Technical College Programs.
- One-and two-year diploma programs—high school graduation, aptitude, and preparation in program area.

Private Colleges: Recommend similar preparation as that described for the UW system.

UW system

- Requires the ACT (American College Test) or SAT (Scholastic Aptitude Test) as part of the admissions process.

For a precise list of admissions requirements and academic electives, consult the website of the university you wish to attend and/or visit student services. Admission guidelines — See the Introduction to the University of Wisconsin System booklet for more assistance.

<http://uwhelp.wisconsin.edu/admissions/freshman/guidelines.aspx>

Work Experience- SOAR

SOAR, Student Occupation & Academic Readiness program is designed for students who are interested in career exploration and/or work experience opportunities. SOAR allows students to earn high school credit, gain valuable work (career) experience while earning money. Juniors and seniors, who are on track to graduate may apply for one of two programs.

- 1) Work Experience - Apply at the beginning of any trimester
 - a) Must be currently employed
 - b) Get credit for working at the job you already have
 - c) Work during or after school, provide your own transportation
 - d) Must work 10 hours per week on average
 - e) Required to provide bi-weekly proof of employment in Schoology
- 2) Student Internships
 - a) An internship is an opportunity offered by an employer to students to work for a fixed period of time. You are taught practical skills, workplace experience, and knowledge of that industry. They are paid opportunities and could lead to potential future employment or licensures. Monroe businesses provide the internship opportunity.
 - b) Students apply for internships in the winter and spring prior to their Junior or Senior year
 - c) Be on track to graduate, minimum of 2.5 cumulative grade point average
 - d) Completed coursework in the area of the internship a plus
 - e) Work at internship takes place two consecutive class periods per day during the regular school schedule.
 - f) Earn money and credit
 - g) Grade is determined by completion of contracted hours, proof of employment, journal entries, and employer evaluations.

GRADUATION REQUIREMENTS

As you prepare to register for the 2020-2021 school year, please review past and future goals. How do classes you have taken or will take next year “fit” into your plans? Please use the following sheet as a planning guide. If you need further assistance, please feel free to contact us.

Lisa Davis, Counselor Alicia Ziolkowski, Counselor
328-7258 328-7123

Amber Schade, School Psychologist
328-7243

Subject	Monroe Requirements	Subject	Entrance Requirements for MOST University of Wisconsin Schools*
English	<ul style="list-style-type: none"> ● 25 Total Credits ● Successful completion of the following subject and credit requirements: 	English	<ul style="list-style-type: none"> ● Rank in the top 30% to 50% of class ● Successful completion of the following subjects:
English	4 Credits including: <ul style="list-style-type: none"> ● English 9 (1credit) ● English 10 (1 credit) ● English 11 (1 credit) ● 1 credit English 	English	4 Credits
Social Studies	3 Credits including: <ul style="list-style-type: none"> ● Western Civilization (1 credit) ● US History (1 credit) ● Choices in American Democracy (1 credit) 	Social Studies	3 Credits
Science	3 Credits: <ul style="list-style-type: none"> ● P.O.P.S. (1 credit) ● Biology (1 credit) ● Chemistry (1 credit) 	Natural Science	3 Credits including: <ul style="list-style-type: none"> ● Physical Science (1 credit) ● Biology (1 credit) ● Lab Science (1 credit)
Math	3 Credits	Math	3 Credits including: <ul style="list-style-type: none"> ● Algebra (1 credit) ● Geometry (1 credit) ● Algebra 2 (1 credit)
Physical Education	1.5 Credits including: <ul style="list-style-type: none"> ● Physical Ed. 9 (.5 credit) ● 2 additional trimesters of electives in PE 	World Languages	Requirements and recommendations vary. Please verify the entrance requirements for the school(s) you are interested in attending.
Health	.5 Credit	Health	None
Financial Literacy	.5 credit <ul style="list-style-type: none"> ● Personal Finance, On Your Own, or CAPP Personal Finance 	Financial Literacy	None
Electives	9.5 Credits	Electives	4 Credits
Total Credits	25 Credits	Total Credits	* For more information regarding requirements for the University of Wisconsin System, pick up a UW handbook from student services or go to www.uwhelp.wisconsin.edu 17 Credits

Teaching Assistant

The Teacher Assistant (TA) program will focus on assisting teachers in a classroom by tutoring students and actively becoming a part of the educational process for one period per day. The experience can be for one, two or three trimesters. Seniors may obtain an MHS Teaching Assistant Application in Student Services. A student should select alternative classes and if the application is approved the student's schedule will be adjusted to allow for the class. Students are expected to demonstrate professionalism and responsibility throughout the entirety of their TA assignment. Responsibilities include but are not limited to:

- **Attendance** – Students are expected to demonstrate near-perfect to perfect attendance at their respective assignments.
- **Behavior** – Students are expected to model appropriate respectful behavior, especially when working directly with students. Additionally, students must follow all Monroe School District policies and procedures.
- **Appearance** – Students are expected to model appropriate attire and grooming at their respective assignments, consistent with the MHS dress code.

Youth Apprenticeship

Students registering for their Junior or Senior year are eligible for the Youth Apprenticeship Program offered through the Rock County School-to-Work Consortium. Programs are designed to allow students to explore a broad career field while gaining more intensive study and a range of work-based experiences in that field. Students entering the program in their junior year receive credit for six trimesters of classes and six trimesters of work-based learning, which are typically offered outside the school day. Students entering the program in their senior year will take three trimesters of classes and work-based learning. Requirements to receive an Occupational Proficiency Skills Certificate issued by the Wisconsin Department of Workforce Solutions:

Level Two

- ☐ Graduate from high school
- ☐ Complete two years of coursework
- ☐ Complete required work-based skills
- ☐ Work a minimum of 900 hours at an approved worksite

Level One

- ☐ Graduate from high school
- ☐ Complete one year of coursework
- ☐ Complete required work-based skills
- ☐ Work a minimum of 450 hours at approved worksite

Considerations for Selection

1. Complete an application form, including references.
2. Provide grade transcripts. A grade point average of 2.0 on a 4.0 scale is recommended.
3. Provide attendance records. A 96% attendance rate is recommended.
4. Complete a job shadow at a worksite in your program area.
5. Complete an interview with the program coordinator and/or potential employers.
6. Comply with possible employment requests: finger printing, drug testing (with results provided to parents), and/or purchase of appropriate career apparel/uniform.
7. Accept part-time employment at an approved work-based learning site.

The number of students selected will be open, depending on the number of work-based learning positions available. **An accepted application does not guarantee placement.**

See Student Services for more information on Youth Apprenticeship.

Monroe High School Graduation Requirements

Subject	Monroe Graduation Requirements -25 Total Credits -Successful completion of the following subject and credit requirements:	Typical Four Year Planning Guide	
		Grade 9	
English	4 Credits including: <input type="checkbox"/> English 9 (1 credit) <input type="checkbox"/> English 10 (1 credit) <input type="checkbox"/> English 11 (1 credit) <input type="checkbox"/> 1 credit English elective	English 9	2 Trimesters
		Math	2 Trimesters
		Principles of Physical Science	2 Trimesters
		Western Civilization	2 Trimesters
		Physical Education 9	1 Trimester
Social Studies	3 Credits including: <input type="checkbox"/> Western Civilization (1 credit) - 9 th gr. <input type="checkbox"/> U.S. History (1 credit) - 10 th grade <input type="checkbox"/> Choices in American Democracy (1 credit) grade	Grade 10	
		English 10	2 Trimesters
		Math	2 Trimesters
		U.S. History	2 Trimesters
		Biology	2 Trimesters
Science	3 Credits including: <input type="checkbox"/> Principles of Physical Science (1 credit) 9 th gr <input type="checkbox"/> Biology (1 credit) 10 th gr <input type="checkbox"/> Chemistry (1 credit) 11 th grade	Health (any year)	1 Trimester
		Physical Education (any year)	1 Trimester
Math	3 Credits <input type="checkbox"/> 1 credit math sequence <input type="checkbox"/> 1 credit math sequence <input type="checkbox"/> 1 credit math sequence	11th Grade - Trimester 1	
		English 11	2 Trimesters
		Math	2 Trimesters
		Choices in Am. Democracy	2 Trimesters
Financial Literacy	.5 credit <input type="checkbox"/> Earned by passing ONE of these courses: Personal Finance ,On Your Own, or CAPP Personal Finance	Chemistry	2 Trimesters
		Physical Education (any year)	1 Trimester
Physical Education	1.5 Credits including: <input type="checkbox"/> PE 9 (.5 credit) <input type="checkbox"/> 1 credit Physical Education elective	12th Grade - Trimester 1	
		English	2 Trimesters
		Financial Literacy (any year)	1 Trimester
Health	.5 Credit		
Electives	9.5 Credits		
Total Credits	25 credits *must have 5 classes each trimester*		

AGRICULTURE

Course	Name	Fee	Grade	Credits	Special
1800	AGRI SCIENCE		9-12	0.5	
1801	AGRI SCIENCE II		9-12	0.5	
1810	PLANT AND SOIL SCIENCE ES		9-12	0.5	Transcripted Weight .5
1811	HORTICULTURE AND LANDSCAPE MANAGEMENT		11-12	0.5	
1820	NATURAL SCIENCE ES		9-12	0.5	
1825	BIOFUELS AND BIOTECHNOLOGY (21-22)		11-12	0.5	
1830	ANIMAL SCIENCE ES		9-12	0.5	Transcripted Weight .5
1831	SMALL ANIMAL CARE		9-12	0.5	
1832	EQUINE AND EXOTICS (21-22)		10-12	0.5	
1833	VETERINARY SCIENCE ES		10-12	0.5	
1834	ANIMAL NUTRITION AND MANAG. (20-21)		10-12	0.5	
1840	FORESTRY AND CONSERVATION (20-21)		11-12	0.5	
1850	AGRICULTURAL COMMUNICATIONS AND MARKET.		9-12	0.5	
1860	AGRICULTURAL LEADERSHIP		10-12	0.5	

ART

Course	Name	Fee	Grade	Credits	Special
500	VISUAL STUDIES	\$30.00	9-12	0.5	
503	WATERCOLORS 1	\$30.00	9-12	0.5	
504	WATERCOLORS 2	\$30.00	9-12	0.5	
515	DRAWING 1	\$30.00	9-12	0.5	
516	DRAWING 2	\$30.00	9-12	0.5	
521	PAINTING 1	\$30.00	9-12	0.5	
522	PAINTING 2	\$30.00	9-12	0.5	
525	3-D CONCEPTS 1	\$30.00	9-12	0.5	
526	3-D CONCEPTS 2	\$30.00	9-12	0.5	
531	CERAMICS 1	\$30.00	9-12	0.5	
532	CERAMICS 2	\$30.00	9-12	0.5	
541	JEWELRY/ART METAL 1	\$30.00	9-12	0.5	
542	JEWELRY ART METAL 2	\$30.00	9-12	0.5	
551	GRAPHIC DESIGN I	\$10.00	9-12	0.5	
552	GRAPHIC DESIGN II	\$10.00	9-12	0.5	
560	ART 3	\$30.00	10-12	0.5	
580-1 / 580-2	AP 2-D ART AND DESIGN	\$60.00	11-12	1.0	Weight 1.0
585-1 / 585-2	AP 3-D ART AND DESIGN	\$60.00	11-12	1.0	Weight 1.0
590-1 / 590-2	AP ART HISTORY		11-12	1.0	Weight 1.0

BUSINESS

Course	Name	Fee	Grade	Credits	Special
1200	MICROSOFT OFFICE		9-12	0.5	Transcripted Weight .5
1205	WEB TECHNOLOGIES		9-12	0.5	
1210	BUSINESS CONCEPTS		9-12	0.5	
1215	PERSONAL FINANCE		9-12	0.5	
1216	PERSONAL FINANCE CAPP	\$300.00 or UW-O fee	11-12	0.5	Weight 1.0
1218	ON YOUR OWN		10-12	.5	

1220	MARKETING CONCEPTS	\$10.00	10-12	0.5	
1225	BUSINESS INTERNSHIP		11-12	0.5	
BUSINESS continued					
1230-1 / 1230-2	ACCOUNTING-1	\$20.00	10-12	1.0	Adv. Stand
1240-1 / 1240-2	COLLEGE ACCOUNTING		11-12	1.0	Weight .5
1250	BUSINESS LAW	\$10.00	10-12	0.5	
1260	SPORTS/ENTERTAINMENT MANAGEMENT	\$10.00	10-12	0.5	
1265	ENTREPRENEURSHIP	\$10.00	9-12	0.5	
1270	BUSINESS MANAGEMENT		10-12	0.5	
1289-1/ 1289-2	AP COMPUTER SCIENCE PRINCIPLES		11-12	1.0	Weight 1.0
1290-1 / 1290-2	SCHOOL STORE MANAGER		11-12	1	
ENGLISH					
Course	Name	Fee	Grade	Credits	Special
108	ORAL COMMUNICATIONS		10-12	0.5	
110	ADVANCED WRITING		11-12	0.5	Weight.5
111	ENGLISH COMPOSITION		11-12	0.5	Adv. Stand
116	POPULAR LIT		11-12	0.5	
119	LITERATURE & COMPOSITION WITH MEDIA		11-12	0.5	
130	READING WORKSHOP (Not an English Credit)		9-12	0.5	
140	CREATIVE WRITING		11-12	0.5	
150	CLASSIC LITERATURE I		11-12	0.5	Weight .5
160	MYTHS and LEGENDS		11-12	0.5	
165	CAREER COMMUNICATIONS		10-12	0.5	
190-1 / 190-2	AP LITERATURE AND COMPOSITION	\$25.00 (For APT - Trip)	11-12	1	Weight 1.0
Placement	ENGLISH 9		9	1	
Placement	ENGLISH 10		10	1	
Placement	ENGLISH 11		11	1	
FAMILY AND CONSUMER SCIENCE					
Course	Name	Fee	Grade	Credits	Special
1600	FOOD SCIENCE AND SANITATION	\$20.00	10-12	0.5	Adv. Stand
1601	REGIONAL FOODS	\$20.00	10-12	0.5	
1605	ORIENTATION TO CATERING		11-12	0.5	
1620	INTRO TO FOOD PREP	\$20.00	9-12	0.5	
1625	TEXTILES	\$15.00	9-12	0.5	
1650	CHILD DEVELOPMENT		10-12	0.5	
INSTRUMENTAL MUSIC					
Course	Name	Fee	Grade	Credits	Special
900-1 / 900- 2 / 900-3	CONCERT BAND		9-12	.5 per tri	Must take a minimum of 2 tri's
910-1 / 910- 2 / 910-3	WIND ENSMBLE		9-12	.5 per tri	Must take a minimum of 2 tri's
920-1 / 920- 2 / 920-3	JAZZ BAND (0-Hour)		9-12	.75	Year Long
MATHEMATICS					

Course	Name	Fee	Grade	Credits	Special
205-1 / 205-2	ALGEBRA 2		10-12	1	
MATHEMATICS Continued					
206-1/ 206-2	STATISTICS		10-12	1	
210-1 / 210-2	GEOMETRY		10-11	1	
215-1 / 215-2	COLLEGE ALGEBRA		11-12	1	
220-1 / 220-2	PRECALCULUS		10-12	1	Weight .5
280-1 / 280-2	AP STATISTICS		11-12	1	Weight 1.0
290-1 / 290-2	AP CALCULUS AB		11-12	1	Weight 1.0
295-1 / 295-2	AP CALCULUS BC		11-12	1	Weight 1.0
Placement	ALGEBRA		9-10	1	
PHYSICAL EDUCATION AND HEALTH					
Course	Name	Fee	Grade	Credits	Special
800	HEALTH		10-12	0.5	
810	PHYSICAL EDUCATION 9		9	0.5	
815	PERSONAL FITNESS		10-12	0.5	
820	ADVENTURE EDUCATION		11-12	0.5	
825	RECREATIONAL GAMES		10-12	0.5	
831	ATHLETIC PERFORMANCE AND STRENGTH CONDITIONING 1		9-12	0.5	9 th grade application
832	ATHLETIC PERFORMANCE AND STRENGTH CONDITIONING 2		10-12	0.5	
833	ATHLETIC PERFORMANCE AND STRENGTH CONDITIONING 3 (ZERO HOUR-APPLICATION)		10-12	0.5	
SCIENCE					
Course	Name	Fee	Grade	Credits	Special
321	CHEMISTRY – MATERIAL SCIENCE		11-12	0.5	May be taken as 2 nd half of Chemistry
325-1 / 325-2	ADVANCE CHEMISTRY	\$15.00	12	1	Weight .5
330-1 / 330-2	PHYSICS		11-12	1	Weight .5 Adv. Stand
341-1/ 341-2	ANATOMY & PHYSIOLOGY		10-12	1.0	Weight .5
342	SCIENTIFIC LITERACY		9-12	0.5	
346	GEOLOGY		10-12	0.5	
380-1 / 380-2	AP BIOLOGY	\$15.00	11-12	1	Weight 1.0
385	BIOMEDICAL SCIENCES		10-12	.5	Weight .5
389-1/ 389- 2	AP ENVIRONMENTAL SCIENCE		11-12	1	Weight 1.0
390-1 / 390-2	AP PHYSICS		11-12	1	Weight 1.0
Placement	BIOLOGY		10	1	
Placement	PRINCIPLES OF PHYSICAL SCIENCE		9	1	
Placement	CHEMISTRY		11	1	

SOCIAL STUDIES

Course	Name	Fee	Grade	Credits	Special
430	SOCIAL PSYCHOLOGY		11-12	0.5	
433	ABNORMAL PSYCHOLOGY		10-12	0.5	
434	INTRODUCTION TO PSYCHOLOGY		9-12	0.5	
440	ISSUES IN AMERICAN SOCIETY		10-12	0.5	
441	INTERNATIONAL ISSUES RELATED TO AMERICAN SOCIETY		10-12	0.5	
443	CURRENT EVENTS		9-12	0.5	
445	PSYCHOLOGY OF HUMAN RELATIONS		10-12	0.5	
480-1 / 480-2	AP PSYCHOLOGY		11-12	1	Weight 1.0
490-1 / 490-2	AP US HISTORY		10-12	1	Weight 1.0
Placement	WESTERN CIVILIZATION		9	1	
Placement	U.S. HISTORY		10	1	
Placement	CHOICES IN AMERICAN DEMOCRACY		11	1	

TECHNOLOGY & ENGINEERING

Course	Name	Fee	Grade	Credits	Special
1301	WOODS MANUFACTURING PROCESS 1	\$40.00	9-12	0.5	
1310	LIGHT BUILDING CONSTRUCTION	\$20.00	10-12	0.5	
1315-1 / 1315-2	CABINET MAKING AND PROTOTYPING	\$70.00	10-12	1	
1320-1 / 1320-2	ADVANCED CONSTRUCTION & MILLWORK	\$15.00	11-12	1.0	Transcribed Weight .5
1342-1 / 1342-2	AUTOMOTIVE TECHNOLOGY	\$10.00	11-12	1	
1340	POWER ENERGY AND TRANSPORTATION	\$10.00	9-12	0.5	
1342	SMALL ENGINES	\$10.00	10-12	0.5	
1347	COMPUTER AIDED DRAFTING & DESIGN I	\$10.00	9-12	0.5	
1348	COMPUTER AIDED DRAFTING & DESIGN II	\$10.00	10-12	0.5	
1350-1 / 1350-2	METAL MANUFACTURING 2	\$30.00	10-12	1	
1349	HOME MAINTENANCE AND REPAIR	\$10.00	10-12	0.5	
1351	METAL MANUFACTURING PROCESS 1	\$20.00	9-12	0.5	
1361	WELDING 1	\$25.00	11-12	0.5	Transcribed Weight .5
1362	WELDING 2	\$25.00	11-12	0.5	Transcribed Weight .5
1365-1 / 1365-2	ADVANCED METALS MANUFACTURING	\$20.00	12	1	Transcribed Weight .5
1380-1 / 1380-2	PLTW-INTRO TO ENGINEERING DESIGN	\$20.00	9-12	1	Weight 1.0
1385-1 / 1385-2	PLTW-PRINCIPLES OF ENGINEERING	\$20.00	10-12	1	Weight 1.0
1390-1 / 1390-2	PLTW-COMPUTER INTEGRATED MANUFACTURING	\$20.00	10-12	1	Weight 1.0
1395-1 / 1395-2	PLTW-ENGINEER DESIGN DEVELOPMENT	\$20.00	11-12	1	Weight 1.0
1400-1/ 1400-2	PLTW-CIVIL ENGINEERING AND ARCHITECTURE	\$20.00	10-12	1	Weight 1.0

VOCAL MUSIC

Course	Name	Fee	Grade	Credits	Special
950-1 / 950-2 / 950-3	CHAMBER CHOIR		9-12	.5 per tri	Must take a minimum of 2 tri's
960-1 / 960-2 / 960-3	CONCERT CHOIR		9-12	.5 per tri	Must take a minimum of 2 tri's
970-1 / 970-2 / 970-3	WOMENS CHOIR		9-12	.5 per tri	Must take a minimum of 2 tri's
980-1 / 980-2 / 980-3	VOCAL JAZZ (0-Hour)		9-12	.75	Year Long

WORLD LANGUAGES

Course	Name	Fee	Grade	Credits	Special
601-1 / 601-2	SPANISH 1		9-12	1	
602-1 / 602-2	SPANISH 2		9-12	1	
603-1 / 603-2	ADVANCED SPANISH		11-12	1	
604-1 / 604-2	SPANISH IN CONTEXT		10-12	1	
605-1 / 605-2	SPANISH 5		12	1	Weight 1.0
690-1 / 690-2	SPANISH 5 CAPP	\$500.00 or UW-0 fee	12	1	Weight 1.0
651-1 / 651-1	GERMAN 1		9-12	1	
652-1 / 652-2	GERMAN 2		9-12	1	
653-1 / 653-2	GERMAN IN CONTEXT		10-12	1	
654-1 / 654-2	ADVANCED GERMAN		11-12	1	
655-1 / 655-2	GERMAN 5		12	1	Weight 1.0
695-1 / 695-2	GERMAN 5 CAPP	\$500.00 or UW-0 fee	12	1	Weight 1.0

ELECTIVES

Course	Name	Fee	Grade	Credits	Special
550-1/ 550-2	INTRODUCTION TO VIDEO PRODUCTION		9-12	1.0	
606-1/ 606-2	HERITAGE LANGUAGE (For native Spanish speakers)		9-12	1.0	ESL
700-1 / 700-2	YEARBOOK		9-12	1	
940	MUSIC THEORY 1		9-12	0.5	
941	MUSIC THEORY 2		9-12	0.5	
22998	WORK EXPERIENCE		11-12	0.5	Application
22999	INTERNSHIP		11-12	1.5	Application

Virtual Classes

Course	Name	Fee	Grade	Credits	Special
	All classes require an application to be accepted	Fee			
	ANTHROPOLOGY		10-12	.5	
	BOTANY & ZOOLOGY		10-12	.5	
	ETHICS		10-12	.5	
	GOTHIC LITERATURE		10-12	.5	
	HOSPITALITY & TOURISM		10-12	.5	
	JOURNALISM		10-12	.5	
	LAW & ORDER		10-12	.5	
	MARINE SCIENCE		10-12	.5	
	MEDIA LITERACY		10-12	.5	
	AMERICAN SIGN LANGUAGE I		10-12	.5	
	AMERICAN SIGN LANGUAGE II		10-12	.5	
	AP COMPUTER SCIENCE		11-12	1	Weight 1.0
	AP LANGUAGE & COMPOSITION		11-12	1	Weight 1.0
	AP EUROPEAN HISTORY		11-12	1	Weight 1.0
	AP MACRO ECONOMICS		11-12	.5	Weight 1.0
	AP GOVERNMENT & POLITICS		11-12	.5	Weight 1.0
	AP WORLD HISTORY		11-12	1	Weight 1.0
	MEDICAL TERMINOLOGY		11-12	.5	Weight 1.0

Students may select virtual courses in the Course Guide by completing an application found in the course guide. Students will not be allowed to request virtual courses electronically. By signing this application, a student understands that he/she must start and finish the courses in good standing in order to receive credit. The student understands that virtual courses are self-paced and no instructor will be assigned to assist him/her in this course at Monroe High School. The student understands that requesting this course will not guarantee that this course will be assigned to him/her this school year. Dropping the course(s) or failure in the course(s) may require repayment of fees associated with the course. For a more complete description of course, please contact your school counselor.

Agriculture

Course Title	Course ID	Class Length	Grade	Credit
Agriscience I	1800	1 Trimester	9-12	0.5
Special Notes/Requirements	Only offered to Freshmen or Sophomores or students who have not previously taken an Agriculture course.			
Course Description	Agriscience I introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout the CASE™ curriculum. Woven throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore career and postsecondary opportunities in each area of the course.			
Units of Study	<ul style="list-style-type: none"> ● Communication Methods ● Science Processes 		<ul style="list-style-type: none"> ● Agriculture Education ● FFA and SAE 	

Course Title	Course ID	Class Length	Grade	Credit
Agriscience II	1801	1 Trimester	9-12	0.5
Special Notes/Requirements	Only offered to Freshmen or Sophomores or students who have not previously taken an Agriculture course.			
Course Description	Agriscience II student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.			
Units of Study	<ul style="list-style-type: none"> ● Natural Resources ● Plants and Animals ● Agriculture Mechanics 		<ul style="list-style-type: none"> ● Agriculture Education ● FFA and SAE 	

Agriculture

Course Title	Course ID	Class Length	Grade	Credit
Horticulture and Landscape Management	1811	1 Trimester	11-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Plant & Soil Science ES.			
Course Description	This trimester course is designed to provide students with a practical background in greenhouse management. Students will learn about various forms of plant propagation such as cutting, grafting, and dividing. Basic landscape design will be covered. FFA/Leadership topics will also be discussed.			
Units of Study	<ul style="list-style-type: none"> ● Plant Propagation ● Greenhouse Management 		<ul style="list-style-type: none"> ● Landscape Design and Installation 	

Course Title	Course ID	Class Length	Grade	Credit
Natural Science ES	1820	1 Trimester	9-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Agriscience I or II.			
Course Description	This course examines how America's resources provide esthetic, scientific, recreational and economic benefits. Units of study include the principles of fish and wildlife management, i.e., ecology, history of wildlife management, small game, big game, fur bearing animals, fish management, game laws and issues, endangered and threatened species, and aquaculture. This course is science equivalents and count for part of the three high school units of science required for admission to UW institutions.			
Units of Study	<ul style="list-style-type: none"> ● Managing Wildlife ● Wildlife Populations 		<ul style="list-style-type: none"> ● Fish and Game ● Renewable Energy 	

Course Title	Course ID	Class Length	Grade	Credit
Biofuels and Biotechnology Odd Years (2021-22)	1825	1 Trimester	11-12	0.5
Special Notes/Requirements	Must have passed and passed with a C or better Natural Science ES.			
Course Description	This course is a laboratory-based class that guides students through all topics related to renewable energy and alternative fuels. Students will also discuss issues related to biofuels and the biotechnology applications used to produce them.			
Units of Study	<ul style="list-style-type: none"> ● Microbiology ● Fermentation 		<ul style="list-style-type: none"> ● Economic Impact of Biofuels 	

Course Title	Course ID	Class Length	Grade	Credit
Animal Science ES	1830	1 Trimester	9-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Agriscience I or Agriscience II (BTC Articulated)			
Course Description	Animal Science ES is designed to give students an advanced knowledge of production animals and the science that is surrounding the industry. Students will learn about the structural functions of reproduction, digestion, nervous, muscular and endocrine systems. Students will gain an understanding of technical areas such as growth hormones, artificial insemination, embryo transfer, heat synchronization, and cloning to improve efficient livestock production. Hands-on laboratories activities will be included. This course is science equivalents and count for part of the three high school units of science required for admission to UW institutions and is articulated with Blackhawk Technical College.			
Units of Study	<ul style="list-style-type: none"> Animal Classification Animal Reproduction 		<ul style="list-style-type: none"> Animal Genetics Animal Health & Behavior 	
Course Title	Course ID	Class Length	Grade	Credit
Small Animal Care	1831	1 Trimester	9-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Agriscience I or Agriscience II			
Course Description	This course is for students who enjoy domestic animals and want to learn more about the small animal industry and related careers. Animals discussed include dogs, cats, rabbits, small rodents, and other pet and laboratory animals. Topics discussed include safety, feeding, training, animal rights and welfare, anatomy, reproduction, health, behavior, housing, and equipment needed for care. Students will be working with animals in the classroom which will enhance the course materials.			
Units of Study	<ul style="list-style-type: none"> Animal Classification Pet Safety 		<ul style="list-style-type: none"> Common Pet Breeds, Anatomy, and Care 	

Course Title	Course ID	Class Length	Grade	Credit
Equine & Exotics Odd Years (2021-22)	1832	1 Trimester	10-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Small Animal Care or Animal Science ES			
Course Description	In this course we will explore the anomalies of the animal world as we explore and learn about habitats, diet and adaptations animals have from land to sea and sky. Half the course will explore equine and half the course will explore exotics. In the exotic portion of the class we will explore the theory of evolution, differentiation between species, compare their habitats and individual species survival. In the equine portion of the class students will look in depth at horse history, breeds, uses, anatomy, physiology, recreation, care, diseases, management and current issues that horses face today. Horses may be used for actual labs to demonstrate digestion, tack equipment, anatomy, health care and other such uses.			
Units of Study	<ul style="list-style-type: none"> Evolution Species Classification 		<ul style="list-style-type: none"> Equine Diet, Anatomy, Care and Diseases 	

Course Title	Course ID	Class Length	Grade	Credit
Veterinary Science ES	1833	1 Trimester	10-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Small Animal Care or Animal Science ES			
Course Description	This course is designed for students who have a sincere interest in a career related to small animals. If you plan to become a veterinarian, small animal technician, animal scientist, or animal researcher, then this course is highly recommended. Each student will complete hands on veterinary skills including weighing an animal, diagnosis and administering a treatment, cleaning, clipping, grooming, and practicing mock surgery procedures. Assessments will include quizzes, exams, lab practicums, and a final project dealing with one species that ties in all units previously discussed in the trimester. This course is science equivalents and count for part of the three high school units of science required for admission to UW institutions.			
Units of Study	<ul style="list-style-type: none"> ● Medical Terminology ● Anatomy & Physiology ● Scientific Research 		<ul style="list-style-type: none"> ● Animal Welfare ● Careers ● Safety 	

Course Title	Course ID	Class Length	Grade	Credit
Animal Nutrition and Management Even Years (2020-21)	1834	1 Trimester	10-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Small Animal Care or Animal Science ES			
Course Description	Students who complete this course will have an advanced knowledge of production animals including the proper management techniques that are surrounding the industry. The course deals with classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs, and formulation of diets for domestic animals. The principals apply to all mammalian and avian species, but will be applied especially to swine, beef cattle, dairy cattle, poultry and horses. Hands-on lab activities will be included.			
Units of Study	<ul style="list-style-type: none"> ● History of Nutrition ● Feeding Practices ● Feed Rations 		<ul style="list-style-type: none"> ● Management Systems ● Symptoms of Deficiencies 	

Course Title	Course ID	Class Length	Grade	Credit
Forestry and Conservation Even Years (2020-21)	1840	1 Trimester	11-12	0.5
Special Notes/Requirements	Must have passed and passed with a C or better Natural Science ES.			
Course Description	During this course, students will completing a variety of assignments ranging from completing research on forests in Wisconsin to exploring trees and forest ecosystems in their backyard. Students also have the opportunity to engage in discussions about current events that deal directly with forestry and ecology.			
Units of Study	<ul style="list-style-type: none"> ● Tree Anatomy and Physiology ● Tree ID 		<ul style="list-style-type: none"> ● Silviculture ● Forest Management ● Forest Ecology 	

Course Title	Course ID	Class Length	Grade	Credit
Agricultural Communications and Marketing	1850	1 Trimester	9-12	0.5
Special Notes/Requirements	Must have completed and passed with a C or better Agriscience I or II.			
Course Description	Agriculture is a dynamic and changing industry. Through this course students will develop skills to tell the story of agriculture effectively. This class will explore perceptions about agriculture and how to market agricultural products.			

Course Title	Course ID	Class Length	Grade	Credit
Agriculture Leadership	1860	1 Trimester	10-12	0.5
Special Notes/Requirements	Must have previously taken an agriculture course.			
Course Description	Agricultural Leadership will provide students with an opportunity to work on FFA leadership activities involving the chapter program of activities. The use of the computer in record keeping and award applications will also be discussed. This course places emphasis on developing leadership skills. This class does not meet during a set hour of the day.			
Units of Study	<ul style="list-style-type: none"> ● Program of Activities ● Leadership Development 		<ul style="list-style-type: none"> ● Chapter Awards ● FFA Sales 	

Art

Course Title Visual Studies	Course ID 500	Class Length 1 Trimester	Grade 9-12	Credit 0.5
Special Notes/Requirements	Foundation Course Prerequisites—None Cost—\$30.00 lab fee			
Course Description	This is an introductory trimester course. Visual Studies will emphasize the basic study using art materials that relate to the creation of both two-dimensional and three dimensional art works.			
Units of Study	<ul style="list-style-type: none"> • Drawing • Painting • Printmaking • Sculpture • Ceramics • Mix media • Art metals 			
Course Title Watercolor 1	Course ID 503	Class Length 1 Trimester	Grade 9-12	Credit 0.5
Special Notes/Requirements	Prerequisite— Visual Studies, Cost—\$30.00 lab fee Supply List—Sketchbook; Pencils; Drawing Eraser			
Course Description	This class is a study of transparent painting mediums using a variety of watercolor mediums. Students will be guided by demonstration in color mixing and introduced to a variety of techniques as they paint from life and imagination.			
Units of Study	<ul style="list-style-type: none"> • Experimental techniques will be explored • Paintings will be done in different formats, subjects and papers • Students will also be introduced to art criticism 			
Course Title Watercolor 2	Course ID 504	Class Length 1 Trimester	Grade 9-12	Credit 0.5
Special Notes/Requirements	Prerequisite— Watercolor 1, Cost—\$30.00 lab fee Supply List—Sketchbook; Pencils; Drawing Eraser			
Course Description	An advanced studio course designed to run during the same class period as Watercolor (05155G). It is also designed as an independent way of continuing the study of Watercolor. Each student is evaluated in regard to ability, with emphasis on creative potential and class attitude, including self-motivation. The students will also assist with the instruction of the students who are in the Watercolor class.			
Units of Study	<ul style="list-style-type: none"> • Continue to experiment with techniques, formats, subjects and papers • Students will continue to critique art pieces through writing and verbally 			

Course Title Drawing 1	Course ID 515	Class Length 1 Trimester	Grade 9-12	Credit 0.5
Special Notes/Requirements	Recommended for students who have completed 8th Grade Art and/or Visual Studies . Students will need a Sketchbook Cost—\$30.00 lab fee			
Course Description	This is an introductory drawing course covering the study of the elements and principals of design, drawing techniques and media exploration.			
Units of Study	<ul style="list-style-type: none"> • Portraiture • Figure drawing • Perspective • Landscape • Scratchboard • Still-life • Mixed media • Art history and Art criticism 			

Course Title	Course ID	Class Length	Grade	Credit
Drawing 2	516	1 Trimester	9-12	0.5
Special Notes/Requirements	Must complete Drawing 1 with a "C" or better Students will need a Sketchbook. Cost—\$30.00 lab fee			
Course Description	This is an advanced drawing course covering the understanding and application of the elements and principals of design, drawing techniques and media exploration.			
Units of Study	<ul style="list-style-type: none"> ● Portraiture ● Figure drawing ● Perspective ● Landscape 		<ul style="list-style-type: none"> ● Clay board ● Still-life ● Mixed media ● Art history and Art criticism 	
Course Title	Course ID	Class Length	Grade	Credit
Painting 1	521	1 Trimester	9-12	0.5
Special Notes/Requirements	Recommended for students who have completed 8th grade art and/or Visual Studies. Students will need a sketchbook. Cost—\$30.00 lab fee			
Course Description	This is an introductory acrylic painting course covering the elements and principles of design, acrylic painting techniques, media exploration, art history and art criticism.			
Units of Study	<ul style="list-style-type: none"> ● Color theory/Mixing ● Portraiture ● Fauvism ● Abstraction 		<ul style="list-style-type: none"> ● Landscape ● Still-Life ● Mixed Media ● Art history and art criticism 	

Course Title	Course ID	Class Length	Grade	Credit
Painting 2	522	1 Trimester	9-12	0.5
Special Notes/Requirements	Must complete Painting 1 with a "C" or better Students will need a Sketchbook. Cost—\$30.00 lab fee			
Course Description	This is an advanced acrylic painting course covering the understanding and application of the elements and principles of design and color theory, acrylic painting techniques, media exploration, art history and art criticism.			
Units of Study	<ul style="list-style-type: none"> ● Compositional Themes ● Portraiture ● Landscape 		<ul style="list-style-type: none"> ● Sill-Life ● Mixed Media ● Art history and art criticism 	

Course Title	Course ID	Class Length	Grade	Credit
3D Concepts 1	525	1 Trimester	9-12	0.5
Special Notes/Requirements	Recommended for students who have completed 8th grade art and/or Visual Studies. Students will need a sketchbook. Cost—\$30.00 lab fee			
Course Description	This is an introductory 3D design course covering the elements and principles of design, sculpture techniques, media exploration, art history and art criticism.			
Units of Study	<ul style="list-style-type: none"> ● Architecture ● Additive & Reductive Sculpture ● Clay sculpture ● Bas Relief 		<ul style="list-style-type: none"> ● Stained Glass ● Mixed Media ● Weaving 	

Course Title	Course ID	Class Length	Grade	Credit
3D Concepts 2	526	1 Trimester	9-12	0.5
Special Notes/Requirements	Must complete 3D Concepts 1 with a "C" or better Students will need a Sketchbook. Cost—\$30.00 lab fee			
Course Description	This is an advanced 3D Design course covering the understanding and application of the elements and principals of design, sculptural techniques, media exploration, art history and art criticism.			
Units of Study	<ul style="list-style-type: none"> • Architecture • Additive & Reductive Sculpture • Clay sculpture • Bas Relief • Stained Glass • Mixed Media • Weaving 			

Course Title	Course ID	Class Length	Grade	Credit
Ceramics 1	531	1 Trimester	9-12	0.5
Special Notes/Requirements	Prerequisites—Visual Studies Cost—\$30.00 lab fee			
Course Description	This course will emphasize the basic study and use of clay materials, tools and techniques that relate to the creation of three-dimensional artwork. As well as exploring traditional and contemporary form and functional design concepts through lectures, demonstrations, creating original pieces.			
Units of Study	<ul style="list-style-type: none"> • Review of hand building techniques • Learn throwing on the potter's wheel • Sculpture techniques • Stacking and firing the kiln • Glazing • Overview of Art History and Art criticism 			

Course Title	Course ID	Class Length	Grade	Credit
Ceramics 2	532	1 Trimester	9-12	0.5
Special Notes/Requirements	Prerequisites—Ceramics 1 Cost—\$30.00 lab fee			
Course Description	An advanced studio course designed to run during the same class period as Ceramics 1. It is a continuing study of Ceramics. Students will assist with the instruction of Ceramic 1 students in the class.			
Units of Study	<ul style="list-style-type: none"> • Create a place setting • Forms made from hand built techniques • Lidded forms • Advanced throwing techniques using caliper's • Forms made from molds, and slip casting 			

Course Title	Course ID	Class Length	Grade	Credit
Jewelry and Art Metals 1	541	1 Trimester	9-12	0.5
Special Notes/Requirements	Prerequisite— Visual Studies Cost—\$30.00 lab fee plus material costs Supply List—Additional fees for: Jewelry Saw Blades, base metals if student exceeds supplies included in their course fee (purchased through school)			
Course Description	This course focuses on creating jewelry pieces from a wide assortment of materials and techniques. Students will learn procedures for handling materials; visual composition and design principles helping to develop a creative approach to problem solutions as well as exploring traditional and contemporary design concepts through lectures, demonstrations, and creating original pieces			
Units of Study	<ul style="list-style-type: none"> • Beading • Bead making • Linking • Riveting • Stone setting • Base Metal Fabrication • Soldering • Basic skills of sawing, filing, and finishing 			

Course Title	Course ID	Class Length	Grade	Credit
Jewelry/Art Metals 2	542	1 Trimester	9-12	0.5
Special Notes/Requirements	Prerequisite— Jewelry/Art Metals 1 Cost—\$30.00 lab fee plus material costs Supply List—Additional fees for: Jewelry Saw Blades, base metals if student exceeds supplies included in their course fee (purchased through school)			
Course Description	An advanced studio course designed to run during the same class period as Art Metal (512). It is designed as an independent way of continuing the study of Art Metal. Each student is evaluated in regard to ability, with emphasis on creative potential and class attitude, including self-motivation. The student will also assist with the instruction of the students who are in the Art Metal class.			
Units of Study	<ul style="list-style-type: none"> ● Sweat soldering ● Join soldering ● Casting ● Linking ● Riveting ● Fabrication creating a 3-D form 			

Course Title	Course ID	Class Length	Grade	Credit
Graphic Design I	551	1 Trimester	9-12	0.5
Special Notes/Requirements	Foundation Course Prerequisites—None Cost—\$10.00 lab fee			
Course Description	Graphic design 1 is an introductory course that covers the basics of graphic communication. Students will learn how to use Adobe Photoshop and Adobe Illustrator to create graphic designs and edit and manipulate digital photos. There will be focus on the elements and principles of design and how they relate to the production of graphic works.			
Units of Study	<ul style="list-style-type: none"> ● Digital Drawing ● Logo Creation ● T-Shirt Design ● Digital Photography ● Photo Editing and Manipulation ● Typography ● Screen Printing ● Career Exploration in Graphic Communication 			

Course Title	Course ID	Class Length	Grade	Credit
Graphic Design II	552	1 Trimester	9-12	0.5
Special Notes/Requirements	Prerequisites—Computer Graphics 1 Cost—\$10.00 lab fee			
Course Description	Graphic Design 2 is an advanced course that covers different forms of graphic communication. This course runs in conjunction with Graphic Design 1. Students will apply design skills and techniques to produce advanced graphic works as well as assist the level 1 students. Students will work collaboratively to complete advanced coursework in design, layout, printing, and digital photography.			
Units of Study	<ul style="list-style-type: none"> ● Digital Drawing ● Poster Design ● Logo Design ● Graphic Drawing ● Digital Photography ● Photo Editing and ● Manipulation ● Typography ● Screen Printing ● Career Exploration in Graphic 			

Course Title	Course ID	Class Length	Grade	Credit
Art 3	560	1 Trimester	10-12	.5
Special Notes/Requirements	Cost: \$30.00			
Course Description	<p>This is a trimester long advanced art studio course for sophomores, juniors and seniors who have completed levels 1 and 2 in a given content area(s) and would like to continue to develop skills, concepts and build a portfolio.</p> <p>The goal of this course is to advance the student’s ability to transform their original ideas into visual statements and be able to articulate the meaning of each piece and how it relates to their body of work created throughout the trimester. This course will encourage self-exploration as well as guidance from the instructor in areas of Acrylic Painting, Drawing, Computer Graphics, Watercolor, Ceramics, Jewelry or 3D Concepts. Students are required to complete a minimum of 4 summative projects per quarter and develop a visual portfolio of their completed work. This class is recommended for students who work independently and are self-driven.</p>			
Units of Study	<ul style="list-style-type: none"> ● Units vary by student 			

Course Title	Course ID	Class Length	Grade	Credit
AP Art History	590-1 590-2	2 Trimesters	9-12	1.0 (Weight 1.0)
Special Notes/Requirements	Online format Cost: Fee for submitting your Portfolio to College Board. A full year course is recommended for Junior and Seniors			
Course Description	This art history course emphasizes the diverse historical and cultural contexts of Western art, with an introduction to art from a variety of cultures beyond the Western tradition.			
Units of Study	<ul style="list-style-type: none"> ● Class covers art chronologically from Prehistoric times through to the Post-Modern Era ● Students learn to examine and critically analyze. 			

Course Title	Course ID	Class Length	Grade	Credit
AP 2D Art and Design	580-1 580-2	2 Trimesters	11-12	1.0 (Weight 1.0)
Special Notes/Requirements	Recommended for juniors and seniors or students that have completed advanced 2D coursework in drawing, painting or computer graphics. Cost—\$60.00 lab fee			
Course Description	A two trimester Advanced Placement course covering the understanding and execution of the elements and principles of design, 2D compositional techniques, and media exploration. For this rigorous college level art studio class, students will complete a sustained investigation to compose 12 two dimensional works of art and 5 selected works to be submitted to AP Central for scoring and possible college credit.			
Units of Study	<ul style="list-style-type: none"> ● 15 two dimensional sustained investigation works ● 5 selected works (can be from the sustained investigation.) ● Written art commentary ● Art history and art criticism 			

Course Title	Course ID	Class Length	Grade	Credit
AP 3D Art and Design	585-1 585-2	2 Trimesters	11-12	1.0 (Weight 1.0)
Special Notes/Requirements	Cost: \$60.00. A full year course is recommended for Junior and Seniors dealing with a concentrated study in 3-D design; students benefit from taking Ceramics, Jewelry, and 3-D Concepts before entering this course.			
Course Description	A two trimester Advanced Placement course covering the understanding and execution of the elements and principles of design, 3D compositional techniques, and media exploration. For this rigorous college level art studio class, students will complete a sustained investigation to compose 15 three dimensional works of art and 5 selected works to be submitted to AP Central for scoring and possible college credit.			
Units of Study	<ul style="list-style-type: none"> ● 15 three dimensional sustained investigation works. ● 5 selected works -can be from the sustained investigation ● Written art commentary & Art history and art criticism 			

Business and Information Technology Education

Course Title	Course ID	Class Length	Grade	Credit
Microsoft Office	1200	1 Trimester	9-12	0.5
Special Notes/Requirements	BTC Articulated			
Course Description	This is a hands-on course where you will learn advanced techniques and skills for utilizing a variety of Microsoft Office products. As a proficient user of Microsoft Office products, you will be prepared to enter today's high-work environment or complete almost any post-secondary assignment. You also will have the opportunity to receive various Microsoft Certifications in Word, PowerPoint and Excel, Computer Science, and IT. If obtained, these industry certifications never expire and are very valuable to many employers. Learn the skills that will make you a success at work or in college by taking MS Office.			
Units of Study	<ul style="list-style-type: none"> ● Microsoft Word ● Microsoft Excel 		<ul style="list-style-type: none"> ● Microsoft Access ● Microsoft PowerPoint 	

Course Title	Course ID	Class Length	Grade	Credit
Web Technologies	1205	1 Trimester	9-12	0.5
Special Notes/Requirements				
Course Description	In this hands-on course, you will first learn how to expand their computer knowledge and creativity. You will get started with InDesign, learning how to design and setup layouts. Then, you will learn how to utilize Illustrator, including how to create text and gradients, learn to draw and compose an illustration. Next, you will learn Photoshop, where you will be able to modify and enhance images. Finally, you will learn how to develop websites using Dreamweaver.			
Units of Study	<ul style="list-style-type: none"> ● Adobe InDesign ● Adobe Illustrator 		<ul style="list-style-type: none"> ● Adobe Photoshop ● Adobe Dreamweaver 	

Course Title	Course ID	Class Length	Grade	Credit
Business Concepts	1210	1 Trimester	9-12	0.5
Special Notes/Requirements				
Course Description	This is a foundation course where students learn basic business concepts, terminologies, principles, ideas and skill sets. Additionally, students will use a computer software program and on-line resources to solve business problems, generate business documents, and simulate the business work environment.			
Units of Study	<ul style="list-style-type: none"> ● Business structures ● Management ● Decision-making ● Production and operations 		<ul style="list-style-type: none"> ● Business marketing and sales ● Customer service ● Business ethics and social responsibility. 	

Course Title	Course ID	Class Length	Grade	Credit
Personal Finance	1215	1 Trimester	9-12	0.5
Special Notes/Requirements	This course satisfies the Financial Literacy graduation requirement. \$10 fee for stock market simulation			
Course Description	Ever feel like you don't have enough money? In tough economic times, it is vital to know all you can about money and finance. This course will provide you with an understanding of how to make personal financial decisions as a teen and will provide you with a foundational understanding for making informed personal financial decisions.			
Units of Study	<ul style="list-style-type: none"> ● Banks and Banking Systems ● Budgeting ● Credit ● Insurance 		<ul style="list-style-type: none"> ● Investing in the Stock Market ● Saving ● Taxes 	

Course Title	Course ID	Class Length	Grade	Credit
CAPP Personal Finance	1216	1 Trimester	11-12	0.5 (Weight 1.0)
Special Notes/Requirements	This course satisfies the Financial Literacy graduation requirement. This course can be taken for MHS credit or BOTH MHS and college credit. To be eligible to take this class, you must meet ONLY ONE of the following requirements: <ul style="list-style-type: none"> ▪ Class rank in the top 25 percent ▪ GPA of at least 3.25 on a 4.0 scale ▪ ACT score of 24 <u>and</u> one of the following: <ul style="list-style-type: none"> ○ a class ranking in the top 50 percent ○ GPA of 2.75 or above *If you do not meet the eligibility requirements, you may be eligible with approval of the university liaison and high school instructor. See Mrs. Hendrickson if you do not meet the eligibility requirements but would like to take the course. Cost: Approximately \$300.00 or current discounted CAPP tuition for 3 credits at UW-Oshkosh(UW-O #231 Personal Finance)			
Course Description	CAPP (Cooperative Academic Partnership Program) Personal Finance is a finance course taught at Monroe High School that allows students to earn three college credits at UW-Oshkosh. Students may take this course for .5 Monroe High School credits at no cost OR .5 Monroe High School credits <u>and</u> three UW-Oshkosh credits with paid tuition. This course is designed to help students develop an understanding of important financial concepts, familiarize students with types of financial decisions typically encountered throughout adult life, and aid in the development analytical techniques necessary to make sound financial decisions. Topics will include housing, insurance, investing, real estate, budgeting, credit, money management, taxes, consumer purchasing strategies, and more.			
Units of Study	<ul style="list-style-type: none"> ● Budgeting ● Consumer Purchasing Strategies ● Credit ● Housing ● Insurance 		<ul style="list-style-type: none"> ● Investing ● Money Management ● Real Estate ● Taxes 	

Course Title	Course ID	Class Length	Grade	Credit
On Your Own	1218	1 Trimester	10-12	0.5
Special Notes/Requirements	This course satisfies the Financial Literacy graduation requirement.			
Course Description	This one-trimester course focuses on developing personal finance skills that encourage financial responsibility as a student, citizen, family member, consumer, and employee. On Your Own will provide fundamental coverage of money management, financial security, credit management, and risk management, as well as many other important skills for independent living.			
Units of Study	<ul style="list-style-type: none"> ● Saving & Spending ● Credit ● Identity Theft ● Budgeting ● Understanding a paycheck 		<ul style="list-style-type: none"> ● Buying a car ● Insurance ● Leases/Mortgages ● Comparison Shopping ● Living on your own 	

Course Title	Course ID	Class Length	Grade	Credit
Marketing Concepts	1220	1 Trimester	10-12	0.5
Special Notes/Requirements	Students will gain hands on experience working in the school store, <i>The Mouse House</i> . Cost—\$10.00			
Course Description	Do you find yourself liking certain commercials, humming jingles or buying a certain type of clothing brand? Find out how marketing makes that happen, by analyzing promotions, advertising and selling products. You will develop a better understanding of the marketing world and how to be a better consumer.			
Units of Study	<ul style="list-style-type: none"> ● The basics of marketing ● Marketing information and research ● Marketing starts with customers ● Competition is everywhere ● E-commerce and social responsive marketing ● Developing a marketing strategy ● Developing successful products ● Determining the best price ● Be creative with advertising and effective promotion 			

Course Title	Course ID	Class Length	Grade	Credit
Business Internship	1225	1 Trimester	11-12	0.5
Special Notes/Requirements	The Business Department recruits one or two students to intern. The hour is determined by student availability.			
Course Description	Students manage the business end of the MHS yearbook.			
Units of Study	Advertising and Marketing			

Course Title	Course ID	Class Length	Grade	Credit
Accounting	1230-1 1230-2	2 Trimesters	10-12	1.0
Special Notes/Requirements	Fee required for workbook and simulation (BTC Articulated)			
Course Description	Accounting is the language of business and is predicted to have a 20 percent job outlook growth through 2024. This course will introduce students to fundamental accounting principles and basic financial records and preparation of financial statements for businesses and individuals. Students will complete an accounting simulation where they apply their knowledge to complete the bookkeeping for a small business. This course is highly recommended for any student planning a business career.			
Units of Study	<ul style="list-style-type: none"> Accounting Careers Accounting Cycle Depreciation Payroll 		<ul style="list-style-type: none"> Merchandising Business as a Corporation Service Businesses as a Sole Proprietorship 	
Course Title	Course ID	Class Length	Grade	Credit
College Accounting	1240-1 1240-2	2 Trimesters	11-12	1.0 (Weight .5)
Special Notes/Requirements	Accounting or teacher approval required prerequisite This class is part of a pilot for AP Accounting. At this time, there is no AP exam for accounting; however, this course will prepare you for college-level accounting and to possibly test out of some accounting course work at the college level.			
Course Description	Students in this course will learn how businesses plan for and evaluate their operating, financing, and investing decisions and then how accounting systems gather and provide data to internal and external decision makers. This course covers all of the learning objectives of a traditional college-level financial accounting course, plus those from a managerial accounting course.			
Units of Study	<ul style="list-style-type: none"> Accounting for Merchandising and Manufacturing Accounting Information Systems Debt and Equity Financial Statements 		<ul style="list-style-type: none"> Fixed Assets Introduction to Accounting Sales and Receivables Time Value of Money 	

Course Title	Course ID	Class Length	Grade	Credit
Business Law	1250	1 Trimester	10-12	0.5
Special Notes/Requirements	\$10 fee for field trip			
Course Description	There are many situations where the law may have a major impact on your life as a teenager as well as the lives of adults and businesses. This course will provide an overview of our legal system, including statutes and regulations that affect businesses, families and individuals in a variety of ways. At the end of the trimester, students will conduct a mock trial.			
Units of Study	<ul style="list-style-type: none"> Constitutional Rights Consumer Protection Contract Law Ethics History, Development and Classification of Laws 		<ul style="list-style-type: none"> Intellectual Property Personal Law and Business Law related to Everyday Life Social Responsibility The Court System and Courtroom Procedures 	

Course Title	Course ID	Class Length	Grade	Credit
Sports & Entertainment Management	1260	1 Trimester	10-12	0.5
Special Notes/Requirements	\$10 fee for field trip			
Course Description	Interested in sports, movies and travel? This class offers you the opportunity to apply your knowledge of marketing to multi-billion dollar sports and entertainment industry. Learn how companies utilize athletes to promote products to a variety of fans. Develop an understanding of how places like Wisconsin Dells or Orlando become so popular.			
Units of Study	<ul style="list-style-type: none"> ● Understanding the sports world ● Understanding entertainment and tourism ● Sponsorship ● Promotion ● Endorsement ● Advertising ● Publicity 			

Course Title	Course ID	Class Length	Grade	Credit
Entrepreneurship	1265	1 Trimester	9-12	0.5
Special Notes/Requirements	\$10 course fee Students will gain hands on experience working in the school store, <i>The Mouse House</i> .			
Course Description	This course will introduce the student to the concept of entrepreneurship and present entrepreneurship as a career path worthy of consideration. Through a variety of activities the students will discover as an entrepreneur how to identify business opportunities, obtain financing, select a site, balance finances, manage people and meet customer needs.			
Units of Study	<ul style="list-style-type: none"> ● Should you be an entrepreneur? ● Types of business ownership ● Business plan development ● Marketing your business ● Staff hiring and management ● Financing, protecting and insuring your business 			

Course Title	Course ID	Class Length	Grade	Credit
Business Management	1270	1 Trimester	10-12	0.5
Special Notes/Requirements				
Course Description	Are you a leader? Management might be the right career path for you. Management is one of the fastest growing fields in the area of business. You will be introduced to the concepts and characteristics of management styles and structures of business. You will also explore your own leadership traits and how we can be better managers of our time, efforts and relating to others.			
Units of Study	<ul style="list-style-type: none"> ● Human relations ● Business structures ● Leadership styles ● Management decision making ● Effective interpersonal skills ● Teamwork 			

Course Title	Course ID	Class Length	Grade	Credit
AP Computer Science Principles	1289-1 1289-2	2 Trimesters	11-12	1.0 Weight (1.0)
Special Notes/Requirements	Prerequisites-None			
Course Description	Computer Science Principles is a rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.			
Units of Study	<ul style="list-style-type: none"> ● The Internet ● Digital Information ● Intro to Programming 		<ul style="list-style-type: none"> ● Big Data & Privacy ● Building Apps ● Data Tools 	

Course Title	Course ID	Class Length	Grade	Credit
School Store Manager(s)	1290-1 1290-2	2 Trimester or 3 Tri	11-12	0.5
Special Notes/Requirements	Prerequisites-APPLICATION REQUIRED. Applications may be obtained through Mrs. Bartels, Mrs. Hendrickson or Student Services. Managers will be selected by Business & Tech Staff. Must have taken or currently be taking Entrepreneurship or Marketing Concepts			
Course Description	The school store managers will be responsible for managing the school store, which is operated by the Entrepreneurship and Marketing Concepts classes.			
Units of Study	<ul style="list-style-type: none"> ● Money management ● Inventory management ● Human resource management 		<ul style="list-style-type: none"> ● Marketing and advertising ● Product research 	

Elective

Course Title	Course ID	Class Length	Grade	Credit
Introduction to Video Production	550-1 550-2	2 Trimesters	9-12	1.0
Special Notes/Requirements				
Course Description	Introduction to video production is an entry level course focusing on the equipment, terminology and techniques for producing high quality video projects with engaging visuals and content. The goal of the course is for the student to develop the ability to write, produce and edit video to create a portfolio of compelling final projects. Projects will primarily be done in groups with an emphasis on creative collaboration, active participation, and personal commitment and responsibility to the team to produce quality work.			
Units of Study	<ul style="list-style-type: none"> ● How to use and operate a variety of video recording devices and technical equipment ● Learn Film/TV terminology and be able to use it correctly. ● Learn the basics elements of story and how to communicate ideas in writing and visually. ● How to edit video and audio. ● How to create video for a specific audience in a variety of formats including narrative, commercial, documentary, informational, explainer. ● Respectful and responsible digital citizenship as it applies to the production and posting of video. 			

Course Title	Course ID	Class Length	Grade	Credit
Heritage Language	606-1 606-2	2 Trimesters	9-12	1.0
Special Notes/Requirements	Designed for native Spanish speakers			
Course Description	This course is designed for students in high school (grades 9-12) for whom Spanish is a native or heritage language. It provides academic language instruction so students can improve their existing language proficiency and develop reading and writing skills. The course will emphasize spelling, diacritical marks and vocabulary development, as well as grammar structure and usage to improve their academic literacy.			
Units of Study	<ul style="list-style-type: none"> ● Informational Reading/Writing ● Listening/Speaking ● Lit & Grammar 			

Course Title Yearbook	Course ID 700-1 700-2	Class Length 2 Trimesters or 3 Tri's	Grade 9-12	Credit 1.0
Special Notes/Requirements	Application is required. See page 96, Mrs. Dilley or Student Services for an application (Not an English credit)			
Course Description	Create, edit, and 2020-21 M-Book			
Units of Study	<ul style="list-style-type: none"> • Photography • Graphic Design • Photo Editing • Journalism 			

Course Title Music Theory 1	Course ID 940	Class Length 1 Trimester	Grade 9-12	Credit .5
Special Notes/Requirements	Course Requirements: High School Band or Choir. Students are expected to have a pencil and folder with them in class each day.			
Course Description	This music class offers students the ability to learn about how Western music is organized and constructed. Students will learn the skills needed to produce a basic composition by the end of the course.			
Units of Study	<ul style="list-style-type: none"> • Music Notation/Literacy • Keys and Scales • Intervals • Ear Training • Chords • Cadences • Form/Structure • Melody • Voice/part leading • Harmony • Conducting • Composition 			

Course Title Music Theory 2	Course ID 941	Class Length 1 Trimester	Grade 9-12	Credit .5
Special Notes/Requirements	Course Requirements: Music Theory I. Students are expected to have a pencil and folder with them in class each day.			
Course Description	This music class is a continuation of Music Theory I, designed for those students wanting to pursue music in higher education.			
Units of Study	<ul style="list-style-type: none"> • Music Notation/Literacy • Keys and Scales • Intervals • Ear Training • Chords • Cadences • Form/Structure • Melody • Voice/part leading • Harmony • Conducting • Composition 			

Course Title	Course ID	Class Length	Grade	Credit
Reading Workshop	130	1 Trimester	9-11	0.5
Special Notes/Requirements	This course does NOT fulfill and English requirement			
Course Description	Do you enjoy reading? Have you ever considered becoming a blogger? About half of each class period will be spent reading where you will immerse yourself in the reading zone. You will work on increasing your individual reading comprehension skills based on the Common Core reading standards and your own specific needs. You will select your own choice reading, from fiction to non-fiction, novels to articles. You will design and develop a book blog where you explore authors and other blogs, you will create posts multiple times a week about texts you've read, are reading, or want to read, and you will complete book talks to share book recommendations with your peers. In the end, you will have read many books and other texts and developed a comprehensive book blog that you can share with others.			

Course Title	Course ID	Class Length	Grade	Credit
Internship	22999	3 Trimesters	11-12	1.5 per trimester
Special Notes/Requirements	<ul style="list-style-type: none"> • Application Required (See Student Services) • Highly recommended that students complete course work in the same area as the internship prior to applying for internship • Recommend enrolling in Career Communication course prior to applying to internship • Class is two class periods per day for the full year 			
Course Description	This elective course is open to Juniors and Seniors who are on track to graduate. Students will be exposed to and practice skills related to: create a vision of his or her future after high school, develop individual goals based on career cluster for post-secondary career or post high school education, and acquire career and financial goals. Student Internships, are a vetted experience, students must apply, interview, and be offered a position. Grades are determined by completion of the contracted hours, weekly journal entries, and employer evaluations.			

Course Title	Course ID	Class Length	Grade	Credit
Work Experience	22998	1 Trimester	11-12	0.5
Special Notes/Requirements	<ul style="list-style-type: none"> • Students must have a job at start of trimester • Students must work 10 hours per week on average • Students must provide their own transportation. • Recommend concurrently enrolling in Career Communication course 			
Course Description	This elective course is open to Juniors and Seniors who are on track to graduate. Students will be exposed to and practice skills related to: create a vision of his or her future after high school, develop individual goals based on career cluster for post-secondary career or post high school education, and acquire career and financial goals. Work Experience offered is for students with part time employment who are seeking credit and/or time in exchange for work.			

English

Course Title	Course ID	Class Length	Grade	Credit
English 9	Placement	2 Trimesters	9	1.0
Special Notes/Requirements	Students will be placed in course sections based on assessment data.			
Course Description	Skill focus will be on improving and developing language skills through writing and speaking in conjunction with various literary works. Reading and writing will connect to quarterly themes.			
Units of Study	College and Career Readiness Standards and Common Core State Standards: reading, English, and writing. Thematic Units: <ul style="list-style-type: none"> ● Coming of Age—How do you reflect upon your past to enhance your future? ● Relationships—How do social forces affect relationships? ● Morals and Values—How do time and place influence the problems you face and how you solve them? ● Power and Change—What power do you have? How can someone with power initiate change? 			

Course Title	Course ID	Class Length	Grade	Credit
Honors English 9	Placement	2 Trimesters	9	1.0
Special Notes/Requirements	Students must meet honors criteria (based on assessment data). It is a rigorous, demanding course designed to follow the English 9 curriculum with additional readings and accelerated writing projects.			
Course Description	This full-year course is designed for students who meet the honors testing criteria.			
Units of Study	College and Career Readiness Standards and Common Core State Standards: reading, English, and writing. Thematic Units: <ul style="list-style-type: none"> ● Coming of Age—How do you reflect upon your past to enhance your future? ● Relationships—How do social forces affect relationships? ● Morals and Values—How do time and place influence the problems you face and how you solve them? ● Power and Change—What power do you have? How can someone with power initiate change? 			

Course Title	Course ID	Class Length	Grade	Credit
English 10	Placement	2 Trimesters	10	1.0
Special Notes/Requirements				
Course Description	Skill focus will be on improving and developing language skills through writing and speaking in conjunction with various literary works. Readings and writing will connect to quarterly themes. Students will be placed in course sections based on assessment data.			
Units of Study	College and Career Readiness Standards: Reading, English, and Writing Thematic Units: <ul style="list-style-type: none"> ● Disaster, Catastrophe & Survival ● Relationships & Gender Roles ● Prejudice ● Personal Freedoms & Rights of the People 			

Course Title	Course ID	Class Length	Grade	Credit
Honors English 10	Placement	2 Trimesters	10	1.0
Special Notes/Requirements	Students must meet honors criteria (based on assessment data). It is a rigorous, demanding course designed to follow the English 10 curriculum with additional readings and accelerated writing projects.			
Course Description	Skill focus will be on improving and developing language skills through writing and speaking in conjunction with various literary works. Readings and writing will connect to quarterly themes. Students will be placed in course sections based on assessment data.			
Units of Study	College and Career Readiness Standards: Reading, English, and Writing Thematic Units: <ul style="list-style-type: none"> • Disaster, Catastrophe & Survival • Relationships & Gender Roles • Prejudice • Personal Freedoms & Rights of the People 			

Course Title	Course ID	Class Length	Grade	Credit
English 11	Placement	2 Trimesters	11	1.0
Special Notes/Requirements	Students will be placed in course sections based on assessment data.			
Course Description	Skill focus will be on improving and developing language skills through writing and speaking in conjunction with various American literary works. Reading and writing will connect to the American experience in a historical perspective.			
Units of Study	College and Career Readiness Standards and Common Core State Standards: reading, English, and writing American Literary Movements: <ul style="list-style-type: none"> • Rationalism • Romanticism • Realism • Modernism and Post Modernism 			

Course Title	Course ID	Class Length	Grade	Credit
Honors English 11	Placement	2 Trimesters	11	1.0
Special Notes/Requirements	Students must meet honors criteria (based on assessment data). It is a rigorous, demanding course designed to follow the English 11 curriculum with additional readings and accelerated writing projects.			
Course Description	Skill focus will be on improving and developing language skills through writing and speaking in conjunction with various American literary works. Reading and writing will connect to the American experience in a historical perspective.			
Units of Study	College and Career Readiness Standards and Common Core State Standards: reading, English, and writing American Literary Movements: <ul style="list-style-type: none"> • Rationalism • Romanticism • Realism • Modernism and Post Modernism 			

Course Title	Course ID	Class Length	Grade	Credit
Oral Communications	108	1 Trimester	10-12	0.5
Special Notes/Requirements				
Course Description	Oral Communications is a performance-oriented class in which students receive instruction in speaking and listening skills, as well as the communication process and how to use communication skills in everyday life. Students give major speeches in addition to several impromptu activities/speeches. Students will be expected to practice good listening skills as well as evaluate the speeches they hear. Units of Study include: Communication Process; Delivery Skills and Imaginative Communication; Affective Communication; Informative Communication.			
Units of Study	<ul style="list-style-type: none"> ● Communication Process ● Delivery Skills ● Type of speeches 			

Course Title	Course ID	Class Length	Grade	Credit
Advanced Writing	110	1 Trimester	11-12	0.5 (Weight .5)
Special Notes/Requirements	Cost: The purchase of a research procedures handbook may be required.			
Course Description	In this college preparatory course, emphasis is placed on research procedures and writing. Students will learn best research practices and will write research papers using both MLA and APA styles of citations. Recommended for college-bound students.			
Units of Study	<ul style="list-style-type: none"> ● Research Procedures ● MLA Stylistics ● APA Stylistics ● Avoiding Plagiarism ● Evaluating Sources ● Blending References ● Writing Academic Research Papers 			

Course Title	Course ID	Class Length	Grade	Credit
English Composition	111	1 Trimester	11-12	0.5
Special Notes/Requirements	This course is articulated with Black Hawk Technical College. Students receiving a B or better may be exempt from taking the equivalent introductory college English course at this school.			
Course Description	This trimester course develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content.			
Units of Study	<ul style="list-style-type: none"> ● Writing Basics – The Six Steps of the Writing Process and The Six Traits of Writing ● Descriptive “Bucket List” Essay ● Narrative College/Scholarship Application Essay ● Problem / Solution Essay ● Analytical Essay on a Film ● Research Project & Essay – IIM Method of Research ● Professional Writing – Resume and Cover Letter Other areas of focus throughout trimester course: <ul style="list-style-type: none"> ● Grammar Units ● ACT Timed Writing Prompts and Practice Skills ● Creative Writing 			

Course Title	Course ID	Class Length	Grade	Credit
Popular Literature	116	1 Trimester	11- 12	0.5
Special Notes/Requirements	Primary materials will be fiction novels (x3). There will be a student-produced project for each quarter of the trimester. Each unit studied will include induction material (short stories, song lyrics, poetry) providing background and context. Movie/video productions of works or authors covered will be presented. Should incur no additional fees or cost to students.			
Course Description	This trimester course covers several popular types (genres) of literature widely read by all ages. Analysis, interpretation, discussion and writing about literature are primary components of this course.			
Units of Study	Genres covered include: <ul style="list-style-type: none"> ● Science Fiction <ul style="list-style-type: none"> ○ <i>Ender's Game</i> by Orson Scott Card ● Mystery/Detective Fiction <ul style="list-style-type: none"> ○ <i>I is for Innocent</i> by Sue Grafton ● Young Adult Issues. <ul style="list-style-type: none"> ○ <i>Speak</i> by Laurie Halse Anderson 			

Course Title	Course ID	Class Length	Grade	Credit
Literature and Composition with Media	119	1 Trimester	11-12	0.5
Special Notes/Requirements	Parents must sign film permission slip for student to remain in class.			
Course Description	Students will analyze the literary, dramatic, and cinematic elements of films. They will write compositions, read one novel, and write, film, and edit their own movie trailer.			
Units of Study	<ul style="list-style-type: none"> ● Book-to-Film Adaptations ● Character- vs. Plot-driven Films ● Genres in Film ● Film Editing 			

Course Title	Course ID	Class Length	Grade	Credit
Creative Writing	140	1 Trimester	11-12	0.5
Special Notes/Requirements				
Course Description	Skill focus placed on rhetoric, writing conventions, writing processes, and critical evaluation of compositions both personal and otherwise. This trimester-long elective writing course demands that students conceive, plan, write and publish high quality compositions in a variety of genres.			
Units of Study	<ul style="list-style-type: none"> ● Elements of Story ● The writing process 		<ul style="list-style-type: none"> ● Literary Devices ● Self-evaluation and critique 	

Course Title Classic Literature I	Course ID 150	Class Length 1 Trimester	Grade 11-12	Credit 0.5 (Weight .5)
Special Notes/Requirements	Cost: Field trip to a Shakespearean performance at the American Players Theatre			
Course Description	Through this college-bound trimester course, students will study classic literature from around the world and across time through the lens of heroes and villains. The course is reading intensive and emphasizes advanced writing and speaking skills.			
Units of Study	<p>Students will primarily read classic fiction texts, though they will also use supplemental nonfiction resources, to determine what a “classic” piece of literature really is. Grounded in archetypes, students will study literature shaped by its heroes and villains.</p> <ul style="list-style-type: none"> ● Archetypes and the hero cycle ● <i>The Ramayana</i> ● <i>Beowulf</i> ● <i>The Catcher in the Rye</i> ● <i>Macbeth</i> ● <i>The Strange Case of Dr. Jekyll and Mr. Hyde</i> 			

Course Title Myths and Legends	Course ID 160	Class Length 1 Trimester	Grade 11-12	Credit 0.5
Special Notes/Requirements				
Course Description	This class focuses primarily on Greek, Roman, Norse, Egyptian, and urban mythologies. Students will work to design their own myths analyze mythic representations from a variety of mediums including movies, television, and literature. Texts read will be primarily found online.			
Units of Study	<ul style="list-style-type: none"> ● Greek ● Roman 		<ul style="list-style-type: none"> ● Norse ● Egyptian ● Urban 	

Course Title Career Communications	Course ID 165	Class Length 1 Trimester	Grade 10-12	Credit 0.5
Special Notes/Requirements	Cost:			
Course Description	This class explores the process of finding and succeeding in a career. The focus of the beginning quarter of the class is writing a research paper (in MLA format) based upon possible career choices. Students then develop a portfolio of job search tools: job applications, a variety of business letters, and a resume. After studying the appropriate ways to prepare for an interview, students participate in a practice interview in lieu of a final exam. Students are also required to job shadow a career for successful completion of this course. Students enrolled in this course should expect to work independently, as well as in pairs, small groups, and participate in class discussions.			
Units of Study	<ul style="list-style-type: none"> ● Career Exploration ● Interview Skills 		<ul style="list-style-type: none"> ● Job Shadow ● 	

Course Title	Course ID	Class Length	Grade	Credit
Advanced Placement Literature and Composition	190-1 190-2	2 Trimesters	12	1.0 (Weight 1.0)
Special Notes/Requirements	Cost: Field trip to a Shakespearean performance at the American Players Theatre (\$25)			
Course Description	Based on the National Advanced Placement Program of the College Board, this course is designed to acquaint students with the rigor and demands of college-level English. Student will critically read and discuss significant literature as well as write effectively. This course is for students who have excellent study habits, dedicated work ethic, and solid language skills. This class helps prepare students to take the AP test.			
Units of Study	<ul style="list-style-type: none"> ● Poetry ● Drama ● Short Stories 		<ul style="list-style-type: none"> ● Novels ● Analytical and Research Writing 	

Family and Consumer Sciences

Course Title Food Science and Sanitation	Course ID 1600	Class Length 1 Trimester	Grade 10-12	Credit 0.5
Special Notes/Requirements	It is required that Intro to Food Prep be taken and successfully completed with a "C" or better. Cost—\$20.00 (BTC-Articulated)			
Course Description	Complete study of food sanitation, safe food handling practices, personal hygiene, and food safety and regulations in the work place. Course taught from the ServSafe manual and students may choose to take the ServSafe Certification Test at the completion of the course. Food units are designed to focus on the science of cooking and baking.			
Units of Study	<ul style="list-style-type: none"> ● Poultry ● Beef and Pork ● Yeast Breads ● Food Safety Challenges ● Flow of Food Through Preparation ● Sanitary Facilities and Pest Management ● Food Safety Regulation ● Employee Training 			
Course Title Regional Foods	Course ID 1601	Class Length 1 Trimester	Grade 10-12	Credit 0.5
Special Notes/Requirements	Prerequisites: Intro to Food Prep (1620) & Food Science and Sanitation (1600)			
Course Description	The student needs a desire to prepare foods using recipes, work in groups, evaluate and analyze food products. This class will explore differences in regional foods of North America and Europe			
Units of Study	<ul style="list-style-type: none"> ● How food affects life ● Baking ● Foods of the US & Canada ● Foods of Latin America ● Foods of Europe 			

Course Title Orientation to Catering	Course ID 1605	Class Length 1 Trimester	Grade 11-12	Credit 0.5
Special Notes/Requirements	It is required that Intro to Food Prep and Food Science and Sanitation must be taken and successfully completed with a "C" or better.			
Course Description	This class is designed for students will a strong interest in foods and/or a career in the food, restaurant and hospitality industry. Labs are designed for sales of products selected by the catering class.			
Units of Study	<ul style="list-style-type: none"> ● Advertisement and Promotion of Products ● Safety & Sanitation ● Stocks ● Soups & Sauces ● Caramel Apples ● Apple Pies ● Food Presentation – Appetizers ● Garnishes ● Silk Pies ● Holiday Cookies ● Cupcake Decorating ● Frosting Skills 			

Course Title	Course ID	Class Length	Grade	Credit
Intro to Food Prep	1620	1 Trimester	9-12	.5
Course Description	This class is an introduction to the Hospitality, Lodging and Tourism Industry. The student needs a desire to prepare foods using recipes, work in groups, evaluate and analyze food products. This hands-on class will provide a foundation for preparing food at home or working in the food industry.			
Units of Study	<ul style="list-style-type: none"> ● Nutrition ● Food Industry and Career Exploration ● Food Safety & Sanitation ● Herbs & Spices ● Lab Management Skills ● Etiquette ● Fire Safety ● Grains ● Pasta & Foods of Italy ● White Sauce ● Quick Breads ● Eggs Diets 			

Course Title	Course ID	Class Length	Grade	Credit
Textiles	1625	1 Trimester	9-12	0.5
Special Notes/Requirements	The student will purchase all fabric and other supplies for competing projects.			
Course Description	This class will focus on textiles and basic sewing application. Students will create a recycled project and also create useable articles for you and your home. At least one community service project will be completed during the course of the trimester.			
Units of Study	<ul style="list-style-type: none"> ● Career Exploration ● Understanding Clothing and Fashion ● Fiber, fabrics, and finishes ● Repair, redesign and recycle ● Principles of Design ● Fabric preparation and preparing to sew ● Sewing equipment and machines ● Basic sewing skills ● Recycled project ● Community service project ● Project construction 			

Course Title	Course ID	Class Length	Grade	Credit
Child Development	1650	1 Trimester	10-12	0.5
Special Notes/Requirements	Required to care for Baby Think it Over outside of school			
Course Description	Overview of children from birth to age 3 with exploration of physical, emotional, social and intellectual development at each stage. Speakers, discussions, observations, nutrition and hand- on experiences will be the main focus. Students will work with the Empathy Belly and the Realityworks-Baby Think It Over.			
Units of Study	<ul style="list-style-type: none"> ● Learning about children ● Challenges of parenting ● Effective parenting skills ● Prenatal development ● Preparing for Birth ● The baby's first year ● The child from 1-3 ● Careers working with children 			

Instrumental Music

Course Title Concert Band	Course ID 900-1 900-2 900-3	Class Length 2 or 3 Trimesters	Grade 9-12	Credit .5 credit per trimester
Special Notes/Requirements	Some required performances are outside of the school day Students enrolled in more than one band are required to perform one final exam per trimester			
Course Description	Development of individual and ensemble musical standards through performance, theory, listening, and citizenship. Emphasis on a mature sound, sense of ensemble and intonation, focusing on literature and appropriate to achieve these goals			
Units of Study	<ul style="list-style-type: none"> ● Full Ensemble Performances (Marching, Chamber, Concert) ● Individual Performances (Quiz, Trimester Solo, Solo/Ensemble) ● Theory (Scales, Ear Training, Musical Vocabulary, Music Literacy) ● Rehearsal Technique (Contribution to Full Ensemble needs) ● Listening Evaluations (Critique and analysis of music via prose) ● Enrichment (Participation in Jazz, Pep Band, Pit Orchestra) ● Lesson (Individualized practice and instruction per instrument) 			

Course Title Wind Ensemble	Course ID 910-1 910-2 910-3	Class Length 2 or 3 Trimesters	Grade 9-12	Credit .5 credit per trimester
Special Notes/Requirements	Prerequisites-audition and consent of instructor. Some required performances are outside of the school day. Students enrolled in more than one band are required to perform one final exam per trimester			
Course Description	Development of individual and ensemble musical standards through performance, theory, listening, and citizenship. Emphasis on a mature sound, critical listening, developed intonation, challenging repertoire for the individual and ensemble.			
Units of Study	<ul style="list-style-type: none"> ● Full Ensemble Performances (Marching, Chamber, Concert) ● Individual Performances (Quiz, Trimester Solo, Solo/Ensemble) ● Theory (Scales, Ear Training, Musical Vocabulary, Music Literacy) ● Rehearsal Technique (Contribution to Full Ensemble needs) ● Listening Evaluations (Critique and analysis of music via prose) ● Enrichment (Participation in Jazz, Pep Band, Pit Orchestra) ● Lesson (Individualized practice and instruction per instrument) 			

Course Title Jazz Band	Course ID 920-1 920-2 920-3	Class Length 3 Trimesters	Grade 9-12	Credit .75
Special Notes/Requirements	This course meets during zero (0) hour on Monday, Wednesday and alternate Fridays for both trimesters.			
Course Description	This course provides introductory and intermediate instruction of jazz. Students will be exposed to a number of jazz styles.			
Units of Study				

Math

Course Title	Course ID	Class Length	Grade	Credit
Algebra	Placement	2 Trimesters	9 - 10	1.0
Special Notes/Requirements				
Course Description	This is the entry level math class for the High School sequence. Most students will take this during their Freshman year.			
Units of Study	<ul style="list-style-type: none"> ● Linear equations, ● Basic statistics and probability ● Number sense ● Polynomials 		<ul style="list-style-type: none"> ● Introduction of coordinate geometry ● Basic geometric concepts ● Basic functional concepts 	
Course Title	Course ID	Class Length	Grade	Credit
Algebra 2	205-1 205-2	2 Trimesters	10 - 12	1.0
Special Notes/Requirements	The prerequisite for this class is Algebra and Geometry.			
Course Description	This class is the continuation and expansion of the concepts taught in Algebra and Geometry.			
Units of Study	<ul style="list-style-type: none"> ● Linear equations ● Statistics, ● Probability ● Exponents ● Radicals 		<ul style="list-style-type: none"> ● Polynomials ● Absolute value ● Inequalities ● Coordinate geometry ● Trigonometry 	

Course Title	Course ID	Class Length	Grade	Credit
Statistics	206-1 206-2	2 Trimesters	10-12	1.0
Special Notes/Requirements	The prerequisite for this class is Algebra 2 and Geometry.			
Course Description	Students who have successfully completed Algebra II prior to enrolling in this course. The course provides students an introduction to topics in statistics by looking at how statistics is used in the world today. This will help students become more discerning consumers of statistics, teaching them understand the statistics they encounter in everyday life.			
Units of Study	<ul style="list-style-type: none"> ● Descriptive Statistics ● Probability ● Discrete Probability Distributions ● Normal Probability Distributions 		<ul style="list-style-type: none"> ● Experimental Design and Surveys ● Confidence Intervals ● Hypothesis testing ● Correlation and Regression ● Chi-Square Test and F-Test 	

Course Title	Course ID	Class Length	Grade	Credit
Geometry	210-1 210-2	2 Trimesters	10 -11	1.0
Special Notes/Requirements	The prerequisite for this class is Algebra.			
Course Description	This class is a continuation and expansion of the concepts taught in Algebra with more of an emphasis on the geometric concepts.			
Units of Study	<ul style="list-style-type: none"> • Coordinate geometry • Parallel and perpendicular • Angles • Pythagorean Theorem • Similar and congruent triangles 		<ul style="list-style-type: none"> • Right triangle trigonometry • Linear equations • Basic statistics and probability • Polynomials and inequalities 	

Course Title	Course ID	Class Length	Grade	Credit
College Algebra	215-1 215-2	2 Trimesters	11-12	1.0
Special Notes/Requirements	The prerequisite for this class is Algebra 2 and Geometry.			
Course Description	This class is intended for college-bound students who will not subsequently study Calculus in high school but need a solid understanding of algebra.			
Units of Study	<ul style="list-style-type: none"> • Equations and inequalities • Exponential and logarithmic functions • Complex numbers • Series and sequences 		<ul style="list-style-type: none"> • Conic sections • Basic statistics and probability • Matrices and trigonometry. 	

Course Title	Course ID	Class Length	Grade	Credit
Precalculus	220-1 220-2	2 Trimesters	10-12	1.0 (Weight .5)
Special Notes/Requirements	Graphing calculators will be used in class and it highly recommended that students own one. The prerequisite for this class is Algebra 2 and Geometry.			
Course Description	This course is designed to prepare students for the study of Calculus. This is also a college-prep class.			
Units of Study	<ul style="list-style-type: none"> • Linear and quadratic functions • Properties • Graphs • Inverses and applications of functions • Trigonometric functions 		<ul style="list-style-type: none"> • Trigonometric equations and applications • Triangle trigonometry, and trigonometric identities • Polar coordinates • Complex numbers • Sequences and series 	
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Course Title AP Statistics	Course ID 280-1 280-2	Class Length 2 Trimesters	Grade 11 – 12	Credit 1.0 (Weight 1.0)
Special Notes/Requirements	TI-83+ or TI-84 calculators will be used in class and it is highly recommended that students own one. The prerequisite for this class is Algebra 2 and Geometry. The student will also have the option of taking the AP test at the end of the year. The test will have a cost attached with it.			
Course Description	The students will develop strategies for collecting, organizing, analyzing and drawing conclusions from data. They will design, administer and tabulate results from surveys and experiments. Probability and simulations will aid students in constructing models for chance phenomena. Sampling distributions will provide the logical structure for confidence intervals and hypothesis tests.			
Units of Study	<ul style="list-style-type: none"> ● Exploring Data ● The Normal Distributions ● Examining Relationships ● More on Two-variable Data ● Producing Data ● Probability ● Random Variables ● Binomial and Geometric Distributions ● Sampling Distributions ● Intro to Inference ● Inference for Distributions ● Inference for Proportions ● Inference for Tables: Chi-Square procedures ● Inference of Regression 			

Course Title AP Calculus AB	Course ID 290-1 290-2	Class Length 2 Trimesters	Grade 11 – 12	Credit 1.0 (Weight 1.0)
Special Notes/Requirements	Graphing calculators will be used in class and it is highly recommended that students own one. The prerequisite for this class is Precalculus. The student will also have the option of taking the AP test at the end of the year. The test will have a cost attached with it.			
Course Description	Students will have the opportunity to begin exploring higher level mathematics. The course will be divided into two main topics: differential and integral calculus. Differential calculus deals with finding the slope of a curve along with calculating velocities and accelerations of moving bodies. Integral calculus studies areas of irregular regions in a plane, lengths of curves and volumes of figures.			
Units of Study	<ul style="list-style-type: none"> ● Limits and Continuity ● Introduction to the Derivative ● Products, Quotients and Differentiability ● The Definite and Indefinite Integrals ● Applications of Integrals ● Area and Volume ● Differential Equations 			

Course Title	Course ID	Class Length	Grade	Credit
AP Calculus BC	295-1 295-2	2 Trimesters	11 - 12	1.0 (Weight 1.0)
Special Notes/Requirements	Graphing calculators will be used in class and it is highly recommended that students own one. The prerequisite for this class is AP Calculus AB. The student will also have the option of taking the AP test at the end of the year. The test will have a cost attached with it.			
Course Description	AP Calculus BC includes all AB content. Additionally, the following topics will be included: polynomial approximations and series; antiderivatives by substitution of variables, parts and simple partial fractions; improper integrals; numerical solutions of differential equations using Euler's method; L'Hospital's Rule, including its use in determining limits and convergence of integrals and series; and analysis of planar curves given in parametric form, polar form and vector form, including velocity and acceleration. The course provides students with the opportunity to work with functions represented in a variety of ways – graphically, numerically, analytically and verbally – and emphasizes the connections among these representations.			
Units of Study	<ul style="list-style-type: none"> ● Limits and Continuity ● The Concept of the Derivative ● Parametric, Polar and Vector Functions ● The Definite and Indefinite Integral ● Applications of Integrals ● Techniques of Antidifferentiation ● Differential Equations ● Series of Constants ● Taylor Series 			

Physical Education and Health

Note on Physical Education Classes:

- A. Fitness warm-ups will be a part of every course offering.
- B. Fitness testing will be done all trimesters regardless of the section you are in.

Students must take .5 credits of Physical Education 3 out of 4 years of high school, totaling 1.5 credits for graduation

Course Title	Course ID	Class Length	Grade	Credit
Health	800	1 Trimester	10-12	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule and availability of the class.			
Course Description	Health class will meet every day for one trimester. We will be focusing on developing a healthy lifestyle and making healthier choices.			
Units of Study	<ul style="list-style-type: none"> ● Mental and emotional health ● Nutrition ● Relationships ● Personality types ● CPR and first aid ● Drugs, alcohol and tobacco ● Human growth and development 			

Course Title	Course ID	Class Length	Grade	Credit
Physical Education 9	810	1 Trimester	9	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule.			
Course Description	This class is an introductory skills class to physical fitness, adventure education, and lifetime activities.			
Units of Study	<ul style="list-style-type: none"> ● Teamwork and teambuilding ● Safety in the weight room, fitness center and the use of functional fitness equipment ● Introduction to adventure education activities ● Fitness testing ● Introduction to personal fitness ● Pedometers and heart rate monitors ● Lifetime activities 			

Course Title	Course ID	Class Length	Grade	Credit
Personal Fitness and Lifetime Activities	815	1 Trimester	10-12	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule and availability of the class.			
Course Description	This class is designed to improve fitness levels and participate in a variety of lifetime activities. Students will work towards a healthy BMI and body composition along with learning activities that can be done throughout a person's lifetime.			
Units of Study	<ul style="list-style-type: none"> ● Individual fitness plans ● Use of weight room, fitness center and fitness equipment ● Heart rate Monitors ● Pedometers ● BMI – body mass index ● Body composition ● Muscles of the body ● Personal fitness journals ● Fitness testing ● Participate in lifetime activities 			

Course Title	Course ID	Class Length	Grade	Credit
Adventure Education	820	1 Trimester	11-12	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule and availability of the class. This course is highly recommended for juniors and seniors.			
Course Description	This class is designed to develop leadership skills through physical education. Activities may include peer teaching, assisting at other schools in the district, advanced belaying and climbing, and other adventure education activities.			
Units of Study	<ul style="list-style-type: none"> ● Ropes – belaying and climbing safety and guidelines ● 7 stages of Adventure Education ● Peer teaching ● Fitness center ● Lifetime activities ● Mobility 			

Course Title	Course ID	Class Length	Grade	Credit
Recreational Games	825	1 Trimester	10-12	.5
Special Notes/Requirements				
Course Description	Students will be exposed to a variety of team sports that will provide lifetime carry over value. Besides team sports, students will also be participating in fitness activities such as the fitness center, weight room, and functional fitness training on a daily basis. Students will apply the five components of fitness to their workout. Students will participate in fitness testing twice in a trimester. Participation in the class will help achieve and maintain a lifetime of physical wellness.			
Units of Study- Will be based on the time of year you take the class	<ul style="list-style-type: none"> ● Flag Football ● Soccer ● Volleyball ● Sabakiball ● Speedball ● Badminton/Pickleball ● Ultimate Frisbee 	<ul style="list-style-type: none"> ● Fitness Testing ● Basketball ● Angle Ball ● Team Handball ● Floor Hockey ● Nitroball ● Weight room/fitness center/functional fitness equipment 		

Course Title	Course ID	Class Length	Grade	Credit
Athletic Performance & Strength Training I	831	1 Trimester	9-12	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule and availability of the class. (Incoming 9th graders must apply for this course)			
Course Description	<p>This course is designed as an introductory course to athletic conditioning and strength training. This class will promote students knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students will be instructed in basic principles of strength training & conditioning.</p> <p>The course focus is on functional strength training which includes functional movement, mobility and principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. Topics include systematic body weight training, strength training, plyometric training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course.</p>			
Units of Study	<ul style="list-style-type: none"> ● Functional Fitness Mobility & Movement ● Speed/Agility ● Body weight training & suspension training ● Weight lifting ● Nutrition 			

Course Title	Course ID	Class Length	Grade	Credit
Athletic Performance & Strength Training II	832	1 Trimester	10-12	.5
Special Notes/Requirements	Students will be placed in course sections based on their schedule and availability of the class. Prerequisite: <i>Athletic Conditioning & Strength Training I</i>			
Course Description	<p>This course is designed to build on the concepts and training taught in Athletic Conditioning I. This class will promote students knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students will be instructed in basic principles of strength training & conditioning.</p> <p>The course focus is on functional strength training which includes functional movement, mobility and principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. Topics include systematic body weight training, strength training, plyometric training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course.</p>			
Units of Study	<ul style="list-style-type: none"> ● Functional Fitness Mobility & Movement ● Speed/Agility ● Body weight training & suspension ● Olympic lifts ● Nutrition 			

Course Title	Course ID	Class Length	Grade	Credit
Athletic Performance & Strength Training III (ZERO HOUR)	833	1 Trimester	10-12	.5
Special Notes/Requirements	<p>Zero Hour: This class runs from 6:30 to 7:30 a.m., daily. This is an advanced conditioning class, recommended for junior and senior athletes in a high school athletic program. Prerequisite: <i>Athletic Conditioning & Strength Training I or II</i> Student Application is Required</p>			
Course Description	<p>This course is designed to build on the concepts and training taught in Athletic Conditioning I&II. This class will promote students knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students will be instructed in basic principles of strength training & conditioning.</p> <p>The course focus is on functional strength training which includes functional movement, mobility and principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. Topics include systematic body weight training, strength training, plyometric training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course.</p>			
Units of Study	<ul style="list-style-type: none"> ● Functional Fitness ● Speed & Agility ● Nutrition ● Olympic Lifts ● Body weight training ● Mobility 			

MONROE HIGH SCHOOL

Freshmen Strength and Conditioning - Student

Application

Due April 15th, 2020



Students Name: _____

Date: _____

Graduation Year: _____

By signing this contract, I would like to opt out of the regular freshman physical education class and take a strength and conditioning class instead. I understand that more will be asked of me and that I will be working more strenuous.

Responsibilities include but are not limited to:

Attendance – Students are expected to demonstrate near-perfect to perfect attendance at their respective assignments.

Behavior – Students are expected to model appropriate respectful behavior, especially when working directly with students. Additionally, students must follow all MHS rules and expectations.

Appearance – Students are expected to model appropriate attire and grooming at their respective assignments, consistent with the MHS dress code and PE dress code expectations.

Students will need to get signatures from the following individuals for consideration. 1) Your current physical education teacher, 2) Guidance Counselor's signature, 3) Parents signature, and 4) the student's signature.

An accepted application does not guarantee placement.

1. Current Physical Education Teacher : _____ Date: _____

2. Guidance Counselor's signature: _____ Date: _____

3. Parent Signature: _____ Date: _____

4. Student Signature: _____ Date: _____

5. Have you taken the summer school weight lifting class with Mr. Golembieswki or Mr. Witt? Have you participated in the after school weight lifting program at the high school?

6. Why do you want to take this class? What sports are you in?

Zero Hour Physical Education Athletic Performance and Strength Conditioning Application

Due April 15, 2020

Name _____ Current Grade _____
Level 10 - 11 - 12

What trimester are you applying for (circle all that apply)?

1st Trimester

2nd Trimester

3rd Trimester

What sports do you plan to be in next year?

Fall: _____

Winter: _____

Spring: _____

Have you taken the summer school Strength & Conditioning class? Yes No

Have you taken a Strength Class at MHS? Yes No

What other lifting experience do you have?

Why do you want to take Zero Hour Strength & Conditioning class?

I am committed to attend zero hour at 6:30 am each day. Yes No

Approximately how many absences did you have this year?

Please detach the Coach/Teacher Recommendation form and have two teachers fill them out and return them to Mr. Ditter through interschool mail

**Coach/Teacher Recommendation
Zero Hour Application**

This form is part of a student application for Zero Hour Physical Education Strength & Conditioning class. Please complete the form and turn it in directly to Mr.Ditter.

Student being recommended _____

Coach/Teacher making recommendation: _____

From your experience with the student:

1. Does the student work well in a team environment?

Yes No

1. Does the student work well independently?

Yes No

1. Is the student responsible?

Yes No

1. Does the student have a reliable attendance record?

Yes No

1. Would you recommend the student for zero hour Physical Education class?

Yes No

1. How do you know the student? *(Have you taught the student? If so, which classes? Have you had the student in any clubs, activities, or sports?)* How would you describe the student?

1. Is there anything else that I should know when considering this student for acceptance into the Zero Hour class?

Coach/Teacher Recommendation
Zero Hour Application

This form is part of a student application for Zero Hour Physical Education Strength & Conditioning class. Please complete the form and turn it in directly to Mr.Ditter.

Student being recommended _____

Coach/Teacher making recommendation _____

From your experience with the student:

1. Does the student work well in a team environment?

Yes No

1. Does the student work well independently?

Yes No

1. Is the student responsible?

Yes No

1. Does the student have a reliable attendance record?

Yes No

1. Would you recommend the student for zero hour Physical Education class?

Yes No

1. How do you know the student? *(Have you taught the student? If so, which classes? Have you had the student in any clubs, activities, or sports?)* How would you describe the student?

1. Is there anything else that I should know when considering this student for acceptance into the Zero Hour class?

Monroe High School

Physical Education Waiver Option

According to Wisconsin Act 105 Section 8.118.33 students have the option of completing additional coursework in lieu of .5 credits of Physical Education. It has been determined that we will allow this at Monroe High School according to the guidelines listed below.

Students that participate in a WIAA-sanctioned sport have the option to substitute .5 credits of the 1.5 Physical Education credits for graduation if they take an additional math, science, English, Social Studies, or health education class above and beyond the graduation requirements. The current graduation requirements are...

English – 4 credits

Social Studies – 3 credits

Mathematics - 3 credits

Science – 3 credits

Physical Education – 1.5 credits

Health Education - .5 credits

Financial Literacy - .5 credits

In order to be approved for this Physical Education waiver, students must complete a contract with the intent to use a particular sport as an exemption from a Physical Education class with the following expectations...

- Student states the intended sport of participation
- Student states the class that will be replacing the .5 credit of Physical Education
- Student completes the contract by May 15, 2020

In order to substitute the .5 credits of Physical Education the student must participate in a WIAA sanctioned sport offered by Monroe High School. The sport participation can take place any time during their sophomore or junior year as well as the fall sports season (as defined by the WIAA) of their senior year. Grade level status is defined by credits earned.

Students must also complete the WIAA sanctioned sport in good standing according to the coach and administration. Please refer to the Monroe High School Athletic Handbook and athletic code. Students requesting this option for a Physical Education waiver must not have any athletic code violation or not be academically ineligible during the season credited for the exemption. The student must pass the class they are taking in lieu of the Physical Education class.

It is highly encouraged that the sport participation and the academic class be taken in the same year. Any exceptions to this must be approved by administration on a case-by-case basis. The waiver cannot be applied retroactively. It is required that the intent to use the waiver be carefully planned and the contract filled out ahead of time. If you have any questions, please contact your Physical Education Instructor or a School Counselor.

MONROE HIGH SCHOOL

Physical Education Exemption - Student Contract

Due May 15, 2020

Students Name: _____ **Date:** _____

Graduation Year: _____

Intended Sport of Participation: _____ **Season:** _____
(Fall-Winter-Spring & School Year)

Name of Head Coach: _____

Intended Additional Core class: _____

By signing this contract, I understand that I must start and finish the athletic season in good standing in order to receive my ½ credit exemption from physical education. Any athletic code violation or academic suspension during my chosen season will void this contract. Injuries before or during an athletic season will be dealt with on an individual basis, but I must be able to at least attempt participation in the sport during the season in order to be given credit.

Student Signature: _____ **Date:** _____

Parent Signature: _____ **Date:** _____

School Counselor

Signature: _____

Administrator Signature :(If Needed)_____

Science

Course Title	Course ID	Class Length	Grade	Credit
Principles of Physical Science	Placement	2 Trimesters	9	1.0
Special Notes/Requirements	Required to be taken freshman year			
Course Description	Students will learn basic principles of Physics and Earth Science.			
Units of Study	<ul style="list-style-type: none"> ● Scientific Method ● Motion ● Forces ● Waves 		<ul style="list-style-type: none"> ● Astronomy ● Weather ● Geology 	

Course Title	Course ID	Class Length	Grade	Credit
Biology	Placement	2 Trimesters	10	1.0
Special Notes/Requirements	Sophomore required class			
Course Description	This year-long general biology class is a comprehensive survey of biology with biochemical emphasis. Students are required to complete all laboratories including dissections: Dissection is part of the lab work.			
Units of Study	<ul style="list-style-type: none"> ● Basic Chemistry ● Cell Structure ● Cell processes ● Ecology ● Evolution ● Genetics 		<ul style="list-style-type: none"> ● Human Growth and Development ● Macromolecules ● Anatomy ● Physiology 	

Course Title	Course ID	Class Length	Grade	Credit
Chemistry	Placement	2 Trimesters	11	1.0
Special Notes/Requirements	Junior required class. Can be taken concurrently with Biology sophomore year. Successful completion of algebra recommended. Need to obtain laboratory approved splash-guard goggles, lighter, hot pad and calculator (equipment breakage can be an additional cost)			
Course Description	Traditional laboratory chemistry course. Emphasis on the mathematics of chemistry and the dimensional analysis method of problem solving is stressed. Approximately 1/5 of the time is spent in lab.			
Units of Study	<ul style="list-style-type: none"> ● Matter ● Energy ● Classification of matter ● Formula writing & naming 		<ul style="list-style-type: none"> ● Equations ● Atom composition and behavior ● Chemical bonding and properties ● History of the theory of the atom. 	

Course Title		Class Length	Grade	Credit
Chemistry-Material Science	321	1 Trimester	11-12	.5
Special Notes/Requirements	Placement			
Course Description	After a basic introduction in Trimester 1 Chemistry, students can branch off into the specialized area of Materials Science where we will still cover basic areas such as stoichiometry and balancing equations, but also explore how different materials are produced and used in industry. This curriculum will build a foundation on which students can become lifelong scientists.			
Units of Study	<ul style="list-style-type: none"> ● Measurement ● Properties ● Structure ● Chemical Bonding & Structure 			

Course Title		Class Length	Grade	Credit
Advanced Chemistry	325-1 325-2	2 Trimesters	12	1.0 (Weight .5)
Special Notes/Requirements	Successful completion of Chemistry and instructor approval. Need to obtain laboratory approved splash-guard goggles, lighter, hot pad and calculator (equipment breakage can be an additional cost) \$15 course fee			
Course Description	An independent and heavily lab oriented chemistry class for the college-bound science student.			
Units of Study	<ul style="list-style-type: none"> ● Descriptive Chemistry (Qualitative Analysis) ● Organic Chemistry ● Nuclear Chemistry 			

Course Title	Course ID	Class Length	Grade	Credit
Physics	330-1 330-2	2 Trimesters	11-12	1.0 Weight (.5)
Special Notes/Requirements	Algebra 2 (May be taken concurrently) and prior science approval			
Course Description	Physics is a year-long course dedicated to teaching basic laws and principles of the natural phenomena of universe. The course allows students to learn concepts through examples, apply them to theoretical mathematical situations, and apply them to the world that they live in.			
Units of Study	<ul style="list-style-type: none"> ● Scientific Method ● Motion in 1 and 2 Dimensions ● Forces in 1 and 2 Dimensions ● Energy ● Waves ● Electricity and Magnetism ● Modern Physics 			

Course Title	Course ID	Class Length	Grade	Credit
Anatomy & Physiology	341 -1 341-2	2 Trimesters	10-12	1.0 (Weight .5)
Special Notes/Requirements	Prerequisite for this course include the successful completion of Biology and being enrolled or having successfully completed Chemistry. BTC Advance Standing course			
Course Description	Student will be using a body systems approach. The major organ systems will each be discussed at the biochemical, tissue, organ, system, and organismal levels. Learners will be expected to describe structures and their functions in detail, and to discuss the clinical applications of their			

	knowledge. This course includes dissections and the use of Anatomy in Clay models.
Units of Study	<ul style="list-style-type: none"> ● Terminology ● Living Organisms ● Tissues ● Integumentary System ● Lymphatics System ● Blood Typing ● Hormones ● Skeletal System ● Nervous System ● Digestive System ● Urinary System ● Cardiovascular System ● Respiratory System ● Reproductive System ● Muscular System

Course Title	Course ID	Class Length	Grade	Credit
Scientific Literacy	342	1 Trimester	9-12	.5
Special Notes/Requirements				
Course Description	Science and technology play a major role in modern everyday life, so every student needs to be conversant with the general workings of science in order to apply it to their lives now and in the future. Students regularly encounter dubious scientific claims, especially online. With the skills acquired through developing scientific literacy, students will be able to evaluate the veracity of claims they face online, and they will be better able to cope with new scientific advances and new media technology.			
Units of Study	<ul style="list-style-type: none"> ● Scientific Literacy ● Discerning Fact from Fiction ● Researching and Writing Scientific Ideas ● Science Literacy on Social Media ● Interpreting Graphs 			

Course Title	Course ID	Class Length	Grade	Credit
Geology	346	1 Trimester	9-12	.5
Special Notes/Requirements				
Course Description	Through topics such as plate tectonics and volcanism, the course will explore how the surface of the Earth has changed over time, the scientific methods used to determine past changes, and predict the potential for possible changes to the Earth in the future. We will complete our analysis of the Earth with a look at it's most famous fossils...the dinosaurs!			
Units of Study	<ul style="list-style-type: none"> ● Understanding Science ● The Earth ● Geologic Time ● Volcanoes ● The Dinosaurs 			

Course Title AP Biology	Course ID 380-1 380-2	Class Length 2 Trimesters	Grade 11-12	Credit 1.0 (Weight 1.0)
Special Notes/Requirements	Successful completion of Biology and Chemistry courses is a pre-requisite for this course. A summer assignment is required for this course. An introduction packet, assignment, and course text book must be picked up from the teacher prior to summer vacation. Course fee \$15, all students who enroll in this course are encouraged to take the AP Exam in May. Students who choose to take the exam are responsible for the exam fee.			
Course Description	Advanced placement biology is a full year of biology specifically intended for students who want a college-level course in Biology. Successful students will be highly motivated, able to work independently, and capable of covering topics at an accelerated pace. AP Biology is designed to simulate a college lab science class by including lecture, lab, and writing assignments. College credit may be earned by taking the Advanced Placement Test at the completion of the class.			
Units of Study	<ul style="list-style-type: none"> ● Evolution ● Energy and Homeostasis ● Response to Information ● Biological Systems 			

Course Title Biomedical Sciences	Course ID 385	Class Length 1 Trimester	Grade 10-12	Credit .5 Weight (.5)
Special Notes/Requirements	Student must have passed biology to be eligible for this course. This program complements the traditional science classes, and is designed for students who wish to pursue a career in the Biomedical field.			
Course Description	Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses.			
Units of Study	Scientific Method, Genetics, Patterns of Inheritance, Diseases and Pathogens, Anatomy and Physiology, Nutrition, Macromolecules			

Course Title AP Environmental Science	Course ID 389-1 390-2	Class Length 2 Trimesters	Grade 11-12	Credit 1.0 (Weight 1.0)
Special Notes/Requirements	All students who enroll in this course are encouraged to take the AP Exam in May. Students who choose to take the exam are responsible for the exam fee. Prerequisites for this course include the successful completion of Biology and Chemistry.			
Course Description	This is a rigorous, lab-based environmental course for students with an interest in our natural world. Environmental Science will cover the interrelationships of the natural world as outlined in the AP Environmental Science course description from The College Board. Environmental problems and alternative solutions for resolving and/or preventing them will be examined. Advanced Placement Environmental Science is an interdisciplinary experience; it embraces a wide variety of topics from different areas of study. Field trips are planned for environmental experiences.			
Units of Study	<ul style="list-style-type: none"> ● Introduction to Environmental Science ● Biological and Human Populations ● Earth Systems and Resources ● Land Use ● Energy Resources and Consumption ● Pollution ● Global Change and A Sustainable Future 			

Course Title AP Physics	Course ID 390-1 390-2	Class Length 2 Trimesters	Grade 11-12	Credit 1.0 (Weight 1.0)
Special Notes/Requirements	Successful completion of Algebra 2 is a prerequisite for this course. All students who enroll in this course are encouraged to take the AP Exam in May. Students who choose to take the exam are responsible for the exam fee.			
Course Description	This course will review and expand some of the areas covered in Physics. This is an excellent course for students pursuing careers in math, science, and/or engineering at the post-secondary level. Units of Study include: (Trimester I) Thermodynamics, Electricity and Magnetism, Share Science Project (share science lessons with elementary students); (Trimester II) Rube Goldberg Competition Machine, Modern Physics, Wireless Communication, Physics of Flying, and Share Science Project			
Units of Study	<ul style="list-style-type: none"> ● Thermodynamics ● Electricity ● Magnetism ● Waves ● Sound, Light & Optics ● Motion ● Forces ● Momentum & Energy 			

Social Studies

Course Title	Course ID	Class Length	Grade	Credit
Western Civilization	Placement	2 Trimesters	9	1.0
Special Notes/Requirements	Required to be taken freshman year			
Course Description	During the first part of this class (Western Civilization I) students will learn about the origins of human civilization, such as Mesopotamia and Egypt, as well as other, later civilizations, including Ancient Greece and Rome that had a lasting impact on Western Civilization. Western Civilization I will end with the Fall of Rome and the stagnation that resulted in Europe known the Middle Ages. In Western Civilization II, students will learn about the many changes that occurred in Europe beginning around the 1300's, including the Renaissance, the Reformation, the Age of Exploration, the Scientific Revolution, and the Enlightenment. Western Civilization II will culminate with students learning about the Industrial Revolution and the impact that has had on the world. Relationships between the past and present will be explored throughout the class.			
Units of Study	<ul style="list-style-type: none"> ● Origins of Civilization ● Ancient Greece ● Roman Republic ● The Middle Ages ● The Renaissance ● The Reformation ● The Age of Exploration ● The Scientific Revolution ● The Enlightenment ● The Industrial Revolution 			

Course Title	Course ID	Class Length	Grade	Credit
US History 10	Placement	2 Trimesters	10	1.0
Special Notes/Requirements	Required to be taken sophomore year.			
Course Description	This course is dedicated to the political, social, geographic and economic histories of the United States from the Civil War to the 1980's.			
Units of Study	<ul style="list-style-type: none"> ● Civil War and Reconstruction ● South and West Transformed ● Immigration, Urbanization and Industry ● Gilded Age and Progressive Era ● Imperialism and World War I ● Roaring Twenties ● Great Depression and the New Deal ● World War II ● Post War and Cold War ● Vietnam War ● Civil Rights Movement ● Era of Protest and Change ● Crisis in Confidence and the Conservative Resurgence 			

Course Title	Course ID	Class Length	Grade	Credit
Choices in American Democracy	Placement	2 Trimesters	11	1.0
Special Notes/Requirements	Required to be taken junior year			
Course Description	This class emphasizes citizenship education and the role of choice in decision-making at the individual, local, state, national, and international levels. Students are encouraged to develop an understanding of, and interest in, the political and economic systems that shape the United States, as well as the systems' relationship with one another.			
Units of Study	<u>Trimester 1:</u> <ul style="list-style-type: none"> Principles of Government Foundations of American Government Political Behavior The Legislative Branch The Executive Branch The Judicial Branch Participating in State and Local Government 		<u>Trimester 2:</u> <ul style="list-style-type: none"> Intro to Economics How Markets Work Business and Labor; Money, Banking, and Finance Measuring Economic Performance The Government and the Economy The Global Economy 	

Course Title	Course ID	Class Length	Grade	Credit
Social Psychology	430	1 Trimester	11-12	0.5
Special Notes/Requirements				
Course Description	This course explores how individuals think, feel and behave and how an individual's thoughts feelings and behaviors are affected by other people. An emphasis is placed on applying social psychology concepts and vocabulary to everyday life. Learning about social psychology provides students with the opportunity to explore their own personal development, improve their ability to communicate effectively in interpersonal relationships and increase their sense of well-being.			
Units of Study	<ul style="list-style-type: none"> Self-concept (personality) Perception of Individuals (cognition & emotions) Perception of Groups (stereotypes and discrimination of 'isms') 		<ul style="list-style-type: none"> Attitudes/Persuasion, Conformity & Obedience Positive Psychology Attraction & Relationships 	

Course Title	Course ID	Class Length	Grade	Credit
Abnormal Psychology	433	1 Trimester	10-12	.5
Special Notes/Requirements				
Course Description	This course is a survey of abnormal behaviors, mental illness, and the different perspectives taken to understand them. Students will evaluate current ethical perspectives regarding mental health, and critique influences by popular culture. Students will also determine the relationship between diagnostic criteria and implications for behavior.			
Units of Study	<ul style="list-style-type: none"> Abnormal Psychology in History Clinical Assessment and Diagnosis Mood Disorders and Suicide Anxiety Disorders Mental Health Services and Ethical 		<ul style="list-style-type: none"> Gender Identity Disorders Impulse Control Disorders Psychotic Disorders, Developmental and Cognitive Disorders Somatoform and Dissociative Disorders 	

Course Title	Course ID	Class Length	Grade	Credit
Introduction to Psychology	434	1 Trimester	9-12	.5
Special Notes/Requirements	Open to any student in Grade 10, 11, or 12. Students may not have previously taken AP Psychology.			
Course Description	This course will explore the scientific study of human behavior, including its biological, psychological, and social/environmental influences. This course will provide an introduction to the history of psychology, overview the research methods used by psychologists, and reveal how these methods are employed to enhance understanding of psychological issues.			
Units of Study	<ul style="list-style-type: none"> History of Psychology Biological Basis of Psychology States of Consciousness Nature vs. Nurture Developmental Psychology Sensation and Perception 		<ul style="list-style-type: none"> Learning and Memory Language and Intelligence Motivation, Emotions and Stress, Personality, Social Psychology Psychological Disorders and Treatments 	

Course Title	Course ID	Class Length	Grade	Credit
Issues in American Society	440	1 Trimester	10-12	0.5
Special Notes/Requirements				
Course Description	This class takes a look at a variety of social, economic and political realities that face the United States every day. A problem-solving approach is used to examine issues of concern to the U.S. citizen. By having an awareness of the origins of these issues and their current impacts, students will be better equipped to face everyday challenges in society.			
Units of Study	(Units vary depending on current issues in the United States) <ul style="list-style-type: none"> American Involvement in Afghanistan Gun Control Immigration Crime and Drugs 		<ul style="list-style-type: none"> Energy and the Environment Death Penalty U.S. Budget Current Events Society, Rights and Discrimination 	

Course Title	Course ID	Class Length	Grade	Credit
International Issues Related To American Society	441	1 Trimester	10-12	0.5
Special Notes/Requirements				
Course Description	This class takes a look at a variety of international social, economic and political realities that face the United States every day. A problem-solving approach is used to examine international issues of concern to the U.S. citizen. By having an awareness of the origins of these issues and their current impacts, students will be better equipped to face everyday challenges in a global society.			
Units of Study	(Units vary depending on current issues in the United States) <ul style="list-style-type: none"> American Involvement in Foreign Conflicts Terrorism Immigration Crime and Drugs 		<ul style="list-style-type: none"> Energy and the Environment Global Economy Foreign Policy Current Events Society, Rights and Discrimination 	

Course Title	Course ID	Class Length	Grade	Credit
Current Events	443	1 Trimester	9-12	0.5
Special Notes/Requirements				
Course Description	Students will be utilizing UpFront magazine, as well as other media, to examine and understand some of the events that are currently occurring (or have recently occurred) in both the U.S. and the world. The curriculum, content, and lessons of this class is based on the current articles found in the Upfront Magazines and current events. The curriculum will change each trimester as current events change.			
Units of Study	<ul style="list-style-type: none"> Enhancing your understanding about the history, geography, culture, current events, and governments 		<ul style="list-style-type: none"> Develop ACT type skills for reading comprehension, graph interpretations and writing 	

Course Title	Course ID	Class Length	Grade	Credit
Psychology of Human Relations	445	1 Trimester	10-12	0.5
Special Notes/Requirements				
Course Description	Explores the relationship between the general principles of psychology and our everyday lives. Students are given the opportunity to achieve a deepened sense of awareness of themselves and others. This understanding enables students to improve their relationships with others at school, work, in the family, and in society.			
Units of Study	<ul style="list-style-type: none"> Elements of functional relationships Nature of conflict resolution Principles of motivation 		<ul style="list-style-type: none"> Development of self Social Dynamics in a group Stress and stress management Psychological disorders and relationships 	

Course Title	Course ID	Class Length	Grade	Credit
Advanced Placement Psychology	480-1 480-2	2 Trimesters	11-12	1.0 (Weight 1.0)
Special Notes/Requirements	All students who enroll in this course are encouraged to take the AP Exam in May. However, the exam is not mandatory. Students who choose to take the exam are responsible for the exam fee.			
Course Description	Advanced Placement Psychology provides students with the opportunity to learn about human behavior and mental processes. This can be thought of as a "bridge-to-college" course. As a result, the curriculum places a heavy emphasis on readings, writing, critical thinking, and independent projects.			
Units of Study	<ul style="list-style-type: none"> History/Approaches/Research Methods Biological Bases of Behavior Sensation & Perception States of Consciousness Learning Cognition & Language Developmental Psychology 		<ul style="list-style-type: none"> Intelligence Motivation Emotion Personality Abnormal Psychology Treatment of Psychological Disorders Social Psychology 	

Course Title	Course ID	Class Length	Grade	Credit
Advanced Placement U.S. History	490-1 490-2	2 Trimesters	10-12	1.0 (Weight 1.0)
Special Notes/Requirements	Sophomores may take this course in place of the required U.S. History. It may also be taken by juniors or seniors as an elective after successful completion of the required U.S. History course. Students opting to take the College Board AP Exam in May are responsible for the exam fee.			
Course Description	This course is similar to an entry level college course, with a work load and performance expectations aligning to that. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Considerable time to work outside class and studying, are necessary to succeed.			
Units of Study	<ul style="list-style-type: none"> ● Exploration and Colonization of North America to 1770 ● The Revolutionary Period through Ratification of U.S. Constitution ● The Early Republic, National Expansion, and Sectionalism ● Civil War and Reconstruction ● The Gilded Age and Populism ● Imperialism, Progressivism, and the Great War ● The Roaring Twenties, the Great Depression, and World War II ● Post World War II America 			

Technology and Engineering

Course Title	Course ID	Class Length	Grade	Credit
Woods Manufacturing	1301	1 Trimester	9-12	0.5
Special Notes/Requirements	There is \$40.00 course and project fee. This course fee includes safety glasses and materials for both required projects.			
Course Description	Woods Manufacturing Processes 1 is designed to introduce the student to the wood manufacturing industry. The student will learn how to safely operate the machines. The student will learn how to take a piece of raw material (wood) and use the proper steps and machines to get the raw material into a usable form.			
Units of Study	<ul style="list-style-type: none"> ● Class Policies & General Shop Safety ● Nature of Wood ● Wood Products and Lumbering ● Careers in Wood Industry ● Design, Planning, Blueprint Reading & Drawings 		<ul style="list-style-type: none"> ● Squaring Procedures Single Piece of Stock ● Safety Rules & Tests -- Machine Demos ● Squaring Procedures Glued Pieces of Stock ● Mass Production ● 10-Hand Tool Identification and Use 	

Course Title	Course ID	Class Length	Grade	Credit
Light Building Construction	1310	1 Trimester	10-12	.5
Special Notes/Requirements	There is \$20.00 course. Fee includes one pair of safety glasses. It is helpful for students to have taken Home maintenance & Repair before taking this class			
Course Description	This building construction course is designed to give students a broad overview of the building construction trades. Students will learn through classroom discussion, instructor or student led demonstrations, and by hands-on activities. The students will first be introduced to many different residential construction trades.			
Units of Study	<ul style="list-style-type: none"> ● Class Policies & General Shop Safety ● Power Tool Safety ● Site Surveying and Layout ● Footing & Foundations ● Wall Framing ● Floor Framing ● Roof Framing & Trusses 		<ul style="list-style-type: none"> ● Roofing and Roofing Materials ● Siding and Siding Materials ● Windows and Doors ● Insulation ● Heating & Cooling Systems ● Plumbing System 	

Course Title	Course ID	Class Length	Grade	Credit
Cabinet Making and Prototyping	1315-1 1315-2	2 Trimesters	10-12	1.0
Special Notes/Requirements	Students must have taken and passed Woods Manufacturing-I There is \$70.00 Fee. This covers the first class project and one pair of safety glasses.			
Course Description	This class will introduce the student to advanced mass production planning and execution, along with basic cabinet making principles. The student will assist in the selection, development and production of a mass production product. The student will also research, develop, draw, plan and build at least on individual project (cabinet or piece of furniture) in the class.			
Units of Study	<ul style="list-style-type: none"> ● Class Policies & General Shop Safety ● Safety Rules & Tests ● Student Machine Use ● Hand Tool Identification and Use ● Portable Power Tool Identification and Use ● Project or Prototype Development Process ● Project or Prototype Cost Estimation ● Squaring Procedures ● Furniture Characteristics and Construction ● Fasteners ● Wood Joints 			

Course Title	Course ID	Class Length	Grade	Credit
Advanced Construction and Millwork	1320-1 1320-2	2 Trimesters	11-12	1.0 Weight (.5)
Special Notes/Requirements	Students must have taken and passed Cabinetmaking and Prototyping. This course is transcribed with Madison Colleges Cabinet Making Program.			
Course Description	In this class students will get in depth experience in rough and finish carpentry. Students will learn how to do platform frame construction and finish cabinetry work.			
Units of Study	<ul style="list-style-type: none"> ● Class Policies & General Shop Safety ● General Safety ● Power Tool Safety ● Site Safety ● Floor Framing ● Wall Framing ● Roof Framing & Trusses ● Roofing and Roofing Materials ● Siding and Siding Materials ● Windows and Doors ● Cabinet Making ● Trim & Millwork ● Finish Carpentry 			

Course Title	Course ID	Class Length	Grade	Credit
Power, Energy & Transportation	1340	1 Trimester	9 - 12	0.5
Special Notes/Requirements	This course is recommended for students to take that have an interest in further studies in the Small Engines and Automotive field. There is a \$10.00 course fee.			
Course Description	This course is designed to give the student a basic understanding of the Power, Energy, and Transportation systems used in industry and our society. This activity-oriented course includes units in AC and DC Electricity, Small Engines, Fluid Power, Land, Marine, Air and Space Transportation.			
Units of Study	<ul style="list-style-type: none"> ● Introduction to Power, Energy & Transportation ● Unit-1,2 and 9 ● Drill Press and Band Saw Safety ● Micrometer and Caliper Reading ● Fluid Power ● Small Engines ● Land Transportation ● Marine Transportation ● Air Transportation ● Space Transportation 			

	<ul style="list-style-type: none"> • Hand Tool Use and Identification • AC Electricity • DC Electricity 			
Course Title Automotive Technology	Course ID 1342-1 1342-2	Class Length 2 Trimesters	Grade 11-12	Credit 1.0
Special Notes/Requirements	Students must have taken and passed Small Engines or have instructor's approval to take this course. There is \$10.00 course fee.			
Course Description	Basic automotive knowledge and skills are learned in this class. During the course of the year we will cover many chapters from our <u>Automotive Fundamentals</u> textbook. We will also continue to provide the MHS Automotive Service Center that was established in the 2000-01 school year. This is a yearlong service provided to MHS faculty and staff members.			
Units of Study	<ul style="list-style-type: none"> • Shop Safety - Hoist Operation • MHS Automotive Service Center Procedures • Tool Identification • Measuring Tools • Brakes and Brake Service • Tires and Tire Service • Suspension and Suspension Service • Steering Systems • Axles and Drives • Engine Operation and Classification • Transmissions • Minor Auto Body Work 			

Course Title Small Engines	Course ID 1342	Class Length 1 Trimester	Grade 10-12	Credit 0.5
Special Notes/Requirements	It is recommended that students take Power, Energy, and Transportation. There is \$10.00 course fee.			
Course Description	This course is designed to give students a basic understanding of how an engine functions. Upon the completion of the theory and operation portion of the class, students will spend time in the shop working on a 4-Cycle Engine that they bring in.			
Units of Study	<ul style="list-style-type: none"> • General Shop Safety • Hoist Safety • Tools and Measuring Devices • Engine Construction - Parts of a 4-Cycle Engine • 4-Cycle Engine Operation • 2-Cycle Engine Operation • Fuel System and Service • Ignition System and Service • Lubrication System and Service • Cooling System and Service • Preventive Maintenance • Mechanical System Service 			

Course Title	Course ID	Class Length	Grade	Credit
Computer Aided Drafting & Design I	1347	1 Trimester	9 -12	0.5
Special Notes/Requirements				
Course Description	This one-Trimester Course is designed to give the student a detailed introduction to the world of computer aided drafting and design for architectural and engineering design, by learning the industry-standard Autodesk Revit software. Students will demonstrate their learning through guided applications and assignments. \$10 course fee			
Units of Study	<ul style="list-style-type: none"> ● Introduction to AutoCAD ● Creating Drawings ● Manipulating Objects ● Drawing Organization and Inquiry Commands ● Altering Objects ● Layouts ● Annotating ● Geometric Constraints ● Orthographic Projection ● Auxiliary Drawings ● Section Drawings ● Assembly Drawings 			
Course Title	Course ID	Class Length	Grade	Credit
Computer Aided Drafting & Design II	1348	1 Trimester	10-12	.5
Special Notes/Requirements	Prerequisite: PLTW IED or CADD; \$10 Lab Fee			
Course Description	This one-Trimester Course is designed to give the student a detailed introduction to the world of computer aided drafting and design for architectural and engineering design, by learning the industry-standard Autodesk Revit software. Students will demonstrate their learning through guided applications and assignments. \$10 course fee			
Units of Study	<ul style="list-style-type: none"> ● Architecture and Construction technologies ● Attributes of Design ● Engineering Design analysis ● Troubleshoot, research, development, invention in problem solving ● Design Process 			

Course Title	Course ID	Class Length	Grade	Credit
Home Maintenance & Repair	1349	1 Trimester	10-12	0.5
Special Notes/Requirements	\$10.00 lab fee, this includes one pair of safety glasses.			
Course Description	This is a one-trimester activity oriented course for those students who want to learn the practical skills needed to maintain a future home and automobile. Students will be engaged in group and individual activities to experience all facets of home maintenance issues.			
Units of Study	<ul style="list-style-type: none"> ● Class procedures and general safety ● Hand tools ● Measuring ● Hand power tools ● General construction ● Basic electricity ● Basic plumbing ● Drywall & painting ● Basic tile installation ● Automobile basics ● Small engine basics 			

Course Title	Course ID	Trimester	Grade	Credit
Metals Manufacturing 2	1350-1 1350-2	2	10-12	1.0
Special Notes/Requirements	Prerequisite: Passing grade in Metals Manufacturing Processes. \$30.00 lab fee, this fee includes one pair of safety glasses. There is an additional cost for the mass produced product in the mass production unit. This is determined by the product chosen to mass produce. BTC articulated course.			
Course Description	This course provides a more in depth experience in the use of metal machining, welding, metal casting, sheet metal and mass production methods. Students will be required to work individually, and in small teams to complete various learning activities.			
Units of Study	<ul style="list-style-type: none"> ● Class procedures and general safety ● Careers ● Measuring ● Blueprint reading ● Bill of Materials ● Lathe turning applications ● Advanced lathe turning applications ● Milling ● CNC milling ● G&M code ● Pattern development ● Metal casting ● GMAW Welding ● Welding Fabrication ● Mass Production 			

Course Title	Course ID	Class Length	Grade	Credit
Metals Manufacturing Processes	1351	1 Trimester	9-12	0.5
Special Notes/Requirements	\$20.00 lab fee covers all projects and one pair of safety glasses.			
Course Description	An introductory course to the basic processes used in the metals manufacturing industry. The student will develop basic skills and technical knowledge in the areas of machining, metal casting, sheet metal and welding. Students will be asked to work in small groups and individually to complete learning exercises.			
Units of Study	<ul style="list-style-type: none"> ● Class procedures and lab safety ● Inputs & materials ● Careers ● Measuring ● Blueprint Reading ● Metal casting ● Milling ● Turning ● CNC milling ● Drilling ● Threading ● G&M code ● Welding ● Sheet metal ● Heat treatment 			

Course Title	Course ID	Class Length	Grade	Credit
Welding 1	1361	1 Trimester	11-12	0.5 Weight (.5)
Special Notes/Requirements	Welding gloves are required, \$25.00 lab fee, this includes one pair of safety glasses. BTC transcribed course			
Course Description	The course will cover two main welding processes and three cutting processes. Safety in all aspects of welding and cutting will be covered along with career opportunities in the welding field.			
Units of Study	<ul style="list-style-type: none"> ● Class procedure & safety ● Foundational welding terms and career opportunities ● Cutting processes ● Welding symbols and blueprint reading ● SMAW–Shielded Metal Arc Welding (Stick) ● GMAW- Gas Metal Arc Welding (Wire) 			

Course Title Welding 2	Course ID 1362	Class Length 1 Trimester	Grade 11-12	Credit 0.5 Weight (.5)
Special Notes/Requirements	Safety glasses and welding gloves are required, \$25.00 lab fee, Passing grade in Introduction to Welding, BTC transcribed course			
Course Description	This course will build upon and expand the welding foundation set in the introduction course. Students will be required to do out of position welding assignments, fabrications and destructive weld test specimens. They will also complete a mass production activity incorporating welding fabrication skills.			
Units of Study	<ul style="list-style-type: none"> ● Advanced welding terms and career opportunities ● Welding symbols, inspection and blueprint reading ● Cutting processes to include CNC plasma ● SMAW–Shielded Metal Arc Welding (Stick) ● GMAW- Gas Metal Arc Welding (Wire) ● FCAW/MCAW – Flux core and Metal core welding ● GTAW-Gas Tungsten Arc Welding (TIG) 			

Course Title Advanced Metals Manufacturing	Course ID 1365-1 1365-2	Class Length 2 Trimesters	Grade 12	Credit 1.0 (Weight .5)
Special Notes/Requirements	\$20.00 lab fee, this includes one pair of safety glasses. The student is responsible for the cost of materials used. Prerequisite: passing grade in Metals 2 OR Introduction to Welding, Weighted class .5, BTC Transcribed Credit in Semi Precision Machining, and BTC Articulated Credit in Weld/Fabrication.			
Course Description	The course is designed to further provide skills and knowledge in the use of metal machining, casting, welding and fabrication methods.			
Units of Study	<p>The course is split into three main areas.</p> <ul style="list-style-type: none"> ● BTC Semi-Precision metalworking course. This will involve 16 technical units done online and 8 layout and drilling projects. ● Fabrication and welding of an advanced project for submission in the Lincoln Arc welding awards program. ● “Cheesemaker Manufacturing Enterprise”. This will involve machining and welding products for various individuals, charity organizations and online sales. 			

Course Title	Course ID	Class Length	Grade	Credit
PLTW: Introduction to Engineering Design	1380-1 1380-2	2 Trimesters	9 - 12	1.0 (Weight 1.0)
Special Notes/Requirements	College credit is possible for this course through various institutions such as MSOE, St Cloud and others. Credits are transferable to partner PLTW Universities around the country, including the UW-System. Transcribed credit is available through BTC Pre-Engineering program. \$20 lab fee.			
Course Description	Introduction to Engineering Design is part of Project Lead the Way curriculum, which is a national organization that promotes pre-engineering courses for high school students. This course is recommended for any student pursuing any engineering career. Students will use team building and problem solving-skills by using the engineering design and development process to solve engineering problems. Solutions are created, analyzed and communicated using Autodesk Inventor software. Math and Science concepts are taught by practical hands-on applications.			
Units of Study	<ul style="list-style-type: none"> ● Design Process ● Technical Sketching and Drawing ● Measurement and Statistics ● Model Skills ● Geometry of Design ● Reverse Engineering ● Documentation ● Advanced Computer Modeling ● Design Team ● Design Challenges 			

Course Title	Course ID	Class Length	Grade	Credit
PLTW: Principles of Engineering	1385-1 1385-2	2 Trimesters	10 - 12	1.0 (Weight 1.0)
Special Notes/Requirements	Must be sophomore level student currently taking or have taken math which includes Geometry and/or Trigonometry or higher. College credit is possible for this course through various institutions such as MSOE, St Cloud and others. Credits are transferable to partner PLTW Universities around the country, including the UW-System. \$20 lab fee.			
Course Description	This rigorous engineering course exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students have the opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. This course is designed to help students understand the field of engineering and engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers use math, science and technology in an engineering problem solving process to benefit people and society.			
Units of Study	<ul style="list-style-type: none"> ● Mechanisms ● Energy Sources ● Energy Applications ● Energy and Power ● Statics ● Material Properties ● Material Testing ● Structures ● Machine Control ● Fluid Power ● Robotics ● Programming ● Statistics ● Kinematics 			

Course Title	Course ID	Class Length	Grade	Credit
PLTW: Computer Integrated Manufacturing	1390-1 1390-2	2 Trimesters	10 -12	1.0 (Weight1.0)
Special Notes/Requirements	Successfully completed PLTW: Introduction to Engineering Design OR CADD 1. College credit is possible for this course through various institutions such as MSOE. Credits are transferable to partner PLTW Universities around the country, including the UW-System. Transcribed credit is available through BTC Pre-Engineering program. \$20 lab fee.			
Course Description	Computer Integrated Manufacturing is the study of how computer technology is used in manufacturing. The first unit develops skills in control systems using Vex Robotics. The second unit centers around Robotic operations, using Lynx robots. The third unit requires students to use skills in the first two units to design a computer integrated factory using the Vex system and Lynx robots. The last unit is a study of CAM, G&M coding and CNC technology. Students will use Inventor and CAM to design and cut a product using the 3 axis Haas milling machine.			
Units of Study	<ul style="list-style-type: none"> ● History of Manufacturing ● Control Systems ● Cost of Manufacturing ● Designing for Manufacturing ● How We Make Things ● Product Development ● Automation ● Elements of Power ● Robotic Programming ● CIM Systems ● Integration of Manufacturing Element 			

Course Title	Course ID	Class Length	Grade	Credit
PLTW: Engineering Design & Development	1395-1 1395-2	2 Trimesters	11-12	1.0 (Weight 1.0)
Special Notes/Requirements	Students must have successfully completed a minimum of two PLTW courses. \$20 lab fee. College credit is possible for this course through St Cloud University. Transcribed credit is available through BTC Pre-Engineering program.			
Course Description	In this Project Lead the Way engineering capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate and justify a technical problem. After carefully defining the problem, teams design, build and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.			
Units of Study	<ul style="list-style-type: none"> ● Design Process ● Identify a Valid Problem ● Justify the Problem ● Create a Solution ● Develop a Design Proposal ● Plan for the Prototype ● Build the Prototype ● Test Phase ● Test the Prototype ● Documentation and Presentation ● Applying for a Patent 			

Course Title	Course ID	Class Length	Grade	Credit
PLTW: Civil Engineering and Architecture	1400-1 1400-2	2 Trimesters	10-12	1.0 (Weight 1.0)
Special Notes/Requirements	Students must have successfully completed a minimum of one PLTW course. College credit is possible for this course through various institutions such as MSOE. Credits are transferable to partner PLTW Universities around the country, including the UW-System. Transcribed credit is available through BTC Pre-Engineering program. \$20 lab fee.			
Course Description	Through both individual and collaborative team activities, projects, and problems, students will problem solve as they practice common design and development protocols such as project management and peer review. Students will develop skill in engineering calculations, technical representation, documentation of design solutions according to accepted technical standards, and use of current, industry standard 3D architectural design and modeling software (Autodesk Revit) to represent and communicate solutions.			
Units of Study	<ul style="list-style-type: none"> ● Overview of Civil Engineering & Architecture ● Residential Design 		<ul style="list-style-type: none"> ● Commercial Applications ● Commercial Building Systems 	

Vocal Music

Course Title	Course ID	Class Length	Grade	Credit
Chamber Choir	950-1 950-2 950-3	2 or 3 Trimesters	9-12	.5 credit per trimester
Special Notes/Requirements	Mandatory attendance at the major concert each quarter Membership in Chamber Choir is by audition			
Course Description	A mixed choir for students who are committed to the advancement of singing voice, ensemble blend, performance skills, and teamwork through the study of varied repertoire.			
Units of Study	<ul style="list-style-type: none"> ● Vocal Technique ● Performance Preparation ● Each unit will provide varied repertoire 			

Course Title	Course ID	Class Length	Grade	Credit
Concert Choir	960-1 960-2 960-3	2 or 3 Trimesters	9-12	.5 credit per trimester
Special Notes/Requirements	Mandatory attendance at the major concert each quarter			
Course Description	Concert Choir is a mixed ensemble that focuses on developing the basic high school skills including but not limited to: singing voice, ensemble blend, performance skills, and teamwork through the study of varied repertoire.			
Units of Study	<ul style="list-style-type: none"> ● Vocal Technique ● Performance Preparation ● Each unit will provide varied repertoire 			

Course Title	Course ID	Class Length	Grade	Credit
Women's Choir	970-1 970-2 970-3	2 or 3 Trimesters	9-12	.5 credit per trimester
Special Notes/Requirements	Mandatory attendance at major concerts each quarter *This course is a secondary ensemble. Students in Women's Choir are expected to be in either Concert Choir or Chamber Choir.			
Course Description	Women's Choir is a female ensemble that focuses on developing the female vocal abilities including blend, range, and technique through the study of varied repertoire for female ensembles.			
Units of Study	<ul style="list-style-type: none"> ● The Unique Female Voice ● Vocal Technique ● Performance Preparation ● Each unit will provide varied repertoire 			

Course Title	Course ID	Class Length	Grade	Credit
Vocal Jazz	980-1 980-2 980-3	3 Trimesters	9-12	.75
Special Notes/Requirements	This course meets during zero (0) hour on Tuesday, Thursday and alternate Fridays for both trimesters.			
Course Description	Students in this ensemble perform a variety of music with emphasis on part independence. A great deal of music is A cappella (no instrumental accompaniment).			
Units of Study				

World Language

Course Title	Course ID	Class Length	Grade:	Credit
Spanish 1	601-1 601-2	2 Trimesters	9-12	1.0
Special Notes/Requirements	A passing grade for the first trimester is required to remain in this course for second trimester.			
Course Description	First year students will develop their language and communication skills in practical settings using listening, speaking, reading and writing. Students are exposed to native-level language and text in order to develop the skills to understand and respond to authentic communication.			
Units of Study	<ul style="list-style-type: none"> ● Basics ● Activities ● Family 		<ul style="list-style-type: none"> ● City ● School 	

Course Title	Course ID	Class Length	Grade	Credit
Spanish 2	602-1 602-2	2 Trimesters	9-12	1.0
Special Notes/Requirements	Successful completion of Spanish 1 is required to take the course. A passing grade for the first trimester is required to remain in this course for second trimester.			
Course Description	Second year students will develop increased accuracy and proficiency in their ability to speak, write, and comprehend the language through expanded exploration of previous themes along with additional topics. Students are exposed to native-level language and text to develop the skills to understand and respond to authentic communication.			
Units of Study	<ul style="list-style-type: none"> ● Food ● Celebrations ● Restaurant 		<ul style="list-style-type: none"> ● House ● Shopping ● Vacations 	

Course Title	Course ID	Class Length	Grade	Credit
Spanish in Context	603-1 603-2	2 Trimesters	10-12	1.0
Special Notes/Requirements	Successful completion of Spanish 2 is required to take the class. A passing grade for the first trimester is required to remain in this course for second trimester.			
Course Description	Students will expand their ability to communicate in Spanish in situations which are presented in theme-based units. They develop their abilities to understand written and spoken Spanish, to interact with other students in informal conversations, and deliver written and spoken presentations. They are exposed to more advanced native-level language and text in order to develop the skills to understand and respond to authentic communication. A spiraling curriculum re-enters, reviews, and expands structures and vocabulary learned in the first two years of language study.			
Units of Study	<ul style="list-style-type: none"> ● Who are we? ● Summer activities ● Childhood activities 		<ul style="list-style-type: none"> ● Trips and Vacations ● Famous Musicians and Music ● Future Life 	

Course Title	Course ID	Class Length	Grade:	Credit
Advanced Spanish	604-1 604-2	2 Trimesters	11-12	1.0

Special Notes/Requirements	Successful completion of Spanish in Context is required to take this course. A passing grade for the first trimester is required to remain in this course for second trimester.
Course Description	Students continue to develop their abilities to converse, present their ideas to an audience and understand written and spoken Spanish. Students expand their ability to communicate about themes that focus on describing their own lives. They are challenged to view, read about, and discuss concepts that expand their perspectives in areas such as history, current topics, media, fiction culture, art, and famous people from Spanish speaking countries.
Units of Study	<ul style="list-style-type: none"> ● Summer ● Movies ● Careers ● Life ● Animals ● Grammar: commands, object pronouns, por vs para, present perfect

Course Title	Course ID	Class Length	Grade	Credit
Spanish 5 Spanish 5 CAPP	605-1 605-2	2 Trimesters	12 12	1.0 (Weight 1.0)
Special Notes/Requirements	Successful completion of Advanced Spanish and senior status are required to take the class. A passing grade for the first trimester is required to remain in this course for second trimester. There is an option to take this course for college credit through UW-Oshkosh. Cost: Approximately \$500.00 or current discounted CAPP tuition for 5 credits at UW-Oshkosh, with the potential of earning up to an additional 9 credits			
Course Description	Students at this advanced level address all aspects of language learning to gain a greater proficiency and accuracy in all forms of communication. Students develop language skills and cultural sensitivity vital to success in the global marketplace. The course follows the university guidelines, but credit option is NOT required.			
Units of Study	<ul style="list-style-type: none"> ● Summer activities ● Work and Finance ● Personal Relationships ● Science and Technology ● In the City ● Free Time Activities ● Media Influence ● Beliefs and Ideas ● Generations and Family ● Natural Resources 			

Course Title	Course ID	Class Length	Grade	Credit
German 1	651-1 651-2	2 Trimesters	9-12	1.0
Special Notes/Requirements	A passing grade for first trimester is necessary to remain in class for the second trimester. Students need to have a 1" 3-ring binder and may have to purchase a workbook.			
Course Description	First year students will develop their language and communication skills in practical settings using listening, speaking, reading and writing. Students are exposed to native-level language and text in order to develop the skills to understand and respond to authentic communication.			
Units of Study	<ul style="list-style-type: none"> ● Biographical information ● Family ● School ● Freetime Activities ● Christmas in Germany ● Berlin ● Occupations ● Daily Routine ● Clothing ● Breakfast 			

Course Title	Course ID	Class Length	Grade	Credit
German 2	652-1 652-2	2 Trimesters	9-12	1.0
Special Notes/Requirements	Successful completion of German 1 is required to take the course. A passing grade for the first trimester is necessary to remain in this course for second trimester.			
Course Description	Second year students will develop increased accuracy and proficiency in their ability to speak, write, and comprehend the language through expanded exploration of previous themes along with additional topics. Students are exposed to native-level language and text to develop the skills to understand and respond to authentic communication.			
Units of Study	<ul style="list-style-type: none"> ● The Bundesliga (German soccer league) ● Household Chores ● House ● Stores ● Places in a Town ● What I did this past year ● Lunch and Supper ● Friends 			

Course Title	Course ID	Class Length	Grade	Credit
German in Context	653-1 653-2	2 Trimesters	10-12	1.0
Special Notes/Requirements	Successful completion of German 1 and 2. A passing grade for the first trimester is necessary to remain in this course for second trimester.			
Course Description	Students expand and improve both verbal and written communication skills in the target language. The course continues the spiraling curriculum and prepares the students for further language study. Thematic based units with an emphasis on practical vocabulary and culture are used.			
Units of Study	<ul style="list-style-type: none"> ● Getting to know each other ● Sports are fun ● Holidays & celebrations ● Nature ● World of Technology ● My place in the world 			

Course Title	Course ID	Class Length	Grade	Credit
German Advanced	654-1 654-2	2 Trimesters	11-12	1.0
Special Notes/Requirements	Successful completion of German 1, 2 and Context (or with teacher recommendation.) A passing grade for the first trimester is necessary to remain in this course for second trimester.			
Course Description	Students expand and improve both verbal and written communication skills in the target language. The course continues the spiraling curriculum and prepares the students for college level language study. Thematic based units with an emphasis on vocabulary, grammar and literacy are used.			
Units of Study	<ul style="list-style-type: none"> ● Feelings and emotions ● Inventions ● German food/Christmas food ● German Music ● Traveling ● Europe and me 			

Course Title	Course ID	Class Length	Grade	Credit
German 5 German 5 CAPP	655-1 655-2	2 Trimesters	12 12	1.0 (Weight 1.0)
Special Notes/Requirements	Successful completion of Advanced German. This course may be taken for UW-Oshkosh credit (4 th trimester, 5 credit course).			
Course Description	Students at this advanced level address all aspects of language learning to gain a greater proficiency and accuracy in all forms of communication. Students develop language skills and cultural sensitivity vital to success in the global marketplace. The course follows the university guidelines, but credit option is NOT required. Cost: Approximately \$500.00 or current discounted CAPP tuition for 5 credits at UW-Oshkosh with the potential of earning up to an additional 9 credits			
Units of Study	<ul style="list-style-type: none"> ● Freetime/Talents ● Modern Communication ● Stereotypes ● Modern Germany ● Family in your Future ● Art 			

MONROE HIGH SCHOOL

Virtual Course Application

Due April 15, 2020

Students Name: _____ **Date:**

Graduation Year: _____

Virtual Course Request(s):

By signing this contract, I understand that I must start and finish the courses in good standing in order to receive credit. I understand the virtual courses are self-paced and no instructor will be assigned to assist me in this course at Monroe High School. I understand that requesting this course will not guarantee that this course will be assigned to me this school year. Dropping the course(s) or failure in the course(s) may require repayment of fees associated with the course.

Student Signature: _____ **Date:** _____

Parent Signature: _____ **Date:** _____

M-Book Application

Name _____ Current Grade Level _____

1. Will you be able to take the class for the ENTIRE YEAR?

Yes No

2. Have you ever used a digital point & shoot camera? (this is any basic digital camera that is not also a phone).

Yes No

3. Have you ever used a digital SLR camera? (these have removable lenses)

Yes No

4. Are you able to take pictures before and after school (sports, events, concerts, etc.)

*You will be **required** to take a minimum of **4 photo assignments PER quarter***

Yes No

5. Are you afraid to stand in front of a large group of people while taking photos?

Yes No

6. Would you be afraid to approach an upperclassman who you do not know to ask questions or ask for a photo?

Yes No

7. Are you willing to work after school, before school, during your RP, and/or during your study hall if needed?

Yes No

8. What photographic experience do you have?

List classes that you've taken and/or number of years using specific equipment

9. What other extracurricular activities will you be involved in next year and how much time will you devote to each?

10. What experience do you have using Photo Software (Photoshop/Illustrator)?

11. Approximately how many absences did you have this year?

12. List any other photo/design/layout experience you have.

13. Why do you want to become a staff member of M-Book?

Please detach the Teacher Recommendation form and have two teachers fill them out and return them to Mrs. Roberts through interschool mail.

Teacher Recommendation

M-Book Application

This form is part of a student application for M-Book (our high school yearbook). Please complete the form and turn it in directly to Mrs. Roberts.

Student being recommended _____

Teacher making recommendation _____

From your experience with the student:

1. Does the student work well in a team environment?
Yes No

1. Does the student work well independently?
Yes No

1. Is the student responsible?
Yes No

1. Does the student have a reliable attendance record?
Yes No

1. Would you recommend the student for M-Book?
Yes No

1. Describe how you know the student. *(Have you taught the student? If so, which classes? Have you had the student in any clubs, activities, or sports?)*

1. Is there anything else that I should know when considering this student for acceptance into the M-Book class?

Teacher Recommendation

M-Book Application

This form is part of a student application for M-Book (our high school yearbook). Please complete the form and turn it in directly to Mrs. Roberts.

Student being recommended _____

Teacher making recommendation _____

From your experience with the student:

1. Does the student work well in a team environment?

Yes No

1. Does the student work well independently?

Yes No

1. Is the student responsible?

Yes No

1. Does the student have a reliable attendance record?

Yes No

1. Would you recommend the student for M-Book?

Yes No

1. Describe how you know the student. *(Have you taught the student? If so, which classes? Have you had the student in any clubs, activities, or sports?)*

1. Is there anything else that I should know when considering this student for acceptance into the M-Book class?