

MARIETTA HIGH SCHOOL

2023-2024 CURRICULUM GUIDE



<p>BOARD OF EDUCATION RUSS GARRISON BILL HUTCHINSON CODY PARMAN ERIC REED SAM TUTEN</p> <p>SUPERINTENDENT BRAD SILVUS</p> <p>PRINCIPAL CHAD RINARD</p> <p>ASSISTANT PRINCIPALS KATIE CRONIN & MARY YEATER</p> <p>ATTENDANCE BRITTNANY SCHAAD</p>	<p>DIRECTOR OF CURRICULUM & TECHNOLOGY TIM FLEMING</p> <p>ATHLETIC DIRECTOR CODY VENDERLIC</p> <p>GUIDANCE COUNSELORS CHRISTIAN SHAW , LISA POLK, & LIZ SAYRE</p> <p>STUDENT SUCCESS COORDINATOR AUSTIN GARDNER</p>
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MISSION STATEMENT

Our mission is to provide the conditions which inspire and support the achievement of academic and personal excellence by all members of the Marietta High School community in order to meet the challenges of an ever changing world.

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LETTER FROM PRINCIPAL

Dear Parents/Guardians & Students:

Marietta High School's Curriculum Guide contains important information on the scope, sequence and quality of curriculum available to Marietta High School students. This publication is designed to familiarize students and parents with the dynamics of a varied, qualitative and thorough public school format.

Whether a student desires a college preparatory or vocational curriculum, Marietta High School will provide a quality education.

Co-curricular programs are numerous. Sports, music, clubs, organizations, academic societies, and assistance programs exist for the benefit of students and are important school experiences.

If students and/or parents have any questions as they proceed through the registration process, please contact the Marietta High School Guidance Department (374-6540 Ext. 2022) and request to speak with Mrs. Rita Frum (A-K) or Ms. Lisa Polk (L-Z) . Mrs. Liz Sayre oversees 7th and 8th grade scheduling. Office hours are 7:30 a.m. – 2:45 p.m. daily while school is in session.

Marietta High School complies with the policies and standards of the Ohio Revised Code, the Ohio Department of Education, and the Ohio High School Athletic Association.

I wish all students at Marietta High School the very best in preparing for their academic future.

Chad Rinard

Mr. Chad Rinard
Principal

PHILOSOPHY OF EDUCATION

- We believe education is a continuous life-long process and a means of improving the quality of life for all.
- We believe the constitutions and laws of the United States of America and the State of Ohio are intended to provide an adequate and equitable system of public education.
- We believe public education is the cornerstone of American democratic society, and is the shared responsibility of students, families, schools and the entire community.
- We believe everyone must be treated with dignity and respect.
- We believe everyone has potential to learn.
- We believe everyone has individual needs, learning styles, interests and abilities.
- We believe the expectation of quality efforts from everyone encourages higher achievement and continuous growth.

FROM THE TIGER’S DEN

Dear Parents/Students:

This “Curriculum Guide” is for students and parents. It contains information about standards of promotion, requirements for graduation, course descriptions and other information about our curriculum.

Planning a course of study for the high school years is one of the most important steps a student takes. As your counselors, we will be working with each of you to prepare course selections. Planning your high school program entails selecting courses that are suited to individual needs and interests whether you plan to enter the world of work after graduation or go to college. This guide has been published to help explain the many courses offered so that pupils and parents will be able to make the best possible choices as they go through the course selection process. Each student must realize that course selection represents a strong commitment. Serious consideration of appropriate classes at this time will alleviate problems associated with later schedule change requests. Requests for schedule adjustment may not be honored due to class size, schedule conflicts, etc.

Your counselors for the selection process are:

Ms. Christian Shaw	Mrs. Lisa Polk	Mrs. Elizabeth Sayre
Last Names A-K	Last Names L-Z	7 th & 8 th Grade Students

High School Guidance Office:
740-374-6540 Ext. 2022
7:30 a.m. – 2:45 p.m. daily

HOW TO SELECT YOUR COURSES

READ THIS COURSE GUIDE THOROUGHLY and FOLLOW ALL DIRECTIONS.

1. Seek the advice of your parents, teachers and counselors about courses and academic and/or career goals.
2. Follow directions on teacher/counselor approved courses.
3. Complete the registration form. Until you are sure, use **PENCIL**.
 - a. Select your courses.
 - b. You must have a minimum of 6 classes per semester to be qualified as a full-time student.
NOTE--juniors and seniors in proper academic standing will be permitted to sign up for five, not six classes.
 - c. Check all required subjects for your particular grade level and other prerequisites.
 - d. Students may not be enrolled in more than one (1) study hall per day, except for juniors and seniors in good standing.
4. Your parents must sign your verification form indicating approval of your course selection.
5. Students are often recommended for specific levels of classes. However, this recommendation may be overridden by students and parents. Overriding a teacher recommendation should only occur after consulting with the student's guidance counselor. **Parents must sign a waiver stating they are opposed to the teacher/guidance recommendation and take responsibility for their child's academic performance.**

SCHEDULING

Enrollment for classes may be limited or "capped." In such situations, priority will be given to students in the following order:

1. Seniors
2. Vocational students
3. Juniors
4. Sophomores
5. Freshmen

Courses may not be offered due to insufficient enrollment or other considerations. Students are urged to consider alternative electives in the event their primary choice is not available. Final determination of course offerings and student schedules will be made by the Guidance Department and the Administration of Marietta High School.

ADVANCED PLACEMENT COURSES

Advanced Placement courses are college level courses with the primary curricular focus of preparing the student to master the Advanced Placement curriculum in that content area. The difficulty of the work, the time and attention demanded – including summer reading and assignments – and the cost (approximately \$100) exceeds that of any high school course.

Since the course of study for each AP class includes preparation for the AP test given in May, the test will be a requirement for all AP courses taken. This requirement cannot be waived, and failure to take the test conscientiously may result in a grade of F for the course. Students should obtain a complete understanding of the expectations and requirements of any AP course scheduled.

Not all colleges consider AP test results in placement decisions, nor do **ALL** colleges grant college credit for AP Classes. Consequently, this should not be the only factor in a student's decision to schedule an AP course. The challenging level of student learning in an AP course, including preparing for and taking an AP test, remains one of the best experiences to prepare for college level learning.

REQUIREMENTS FOR ACCEPTANCE INTO AP COURSES

1. Complete the required application form
2. Be committed to high academic achievement
3. An understanding and acceptance of the time the courses involve, both in terms of study time, homework, and summer requirements
4. Teacher and counselor recommendations
5. Parental approval
6. Teacher and counselor recommendations shall not be overridden by the parents.

PROCEDURES FOR DROPPING AN AP/HONORS COURSE

Advanced Placement Courses may not be dropped unless unavoidable scheduling conflicts, medical problems or other extenuating circumstances as approved by teacher and administrator are present.

In such cases, the student must:

1. Secure the correct form from Guidance.
2. Secure signature from parent, student, teacher, and administrator.
3. Return form to designated guidance counselor to process.
4. If denied, the student may appeal the decision to the principal.
5. **Students wanting to drop an AP or Honors course must do so by the last day of school of the preceding school year.**

GLOSSARY OF TERMS

QUALITY POINTS QP are used to calculate Grade Point Averages. QP are earned on a descending scale where 4 quality points are awarded for an "A" grade and zero quality points are awarded for an "F" grade.

CREDIT (or unit)	A credit is the numerical value given for successful completion of a subject. The earning of credits begins with ninth grade. Some high school credits may be earned in 8 th grade.
PREREQUISITE	A course required beforehand. One in which a student has earned a credit.
ELECTIVE	An elective is any subject which is not required for graduation.
CLASS RANK	Class rank is the numerical position of the individual student in comparison with others qualified for ranking within the specific class.
GPA	Grade Point Average is the mathematical average of all grades posted each nine weeks.
CUMULATIVE GPA	Cumulative Grade Point Average is the mathematical average of all semester averages for completed courses. This average is used in the class rank determination formula.
FEES	This is an estimated dollar amount for class materials/workbooks /and fees for the class.

COLLEGE CREDIT PLUS (CCP) PROGRAM

1. There are three ways that students can participate in the College Credit Plus (CCP) program: on the high school campus with a Marietta City Schools teacher as teacher of record, on the high school campus with a college provided instructor as teacher of record, and on the college campus in regularly scheduled college courses. Marietta High School offers college courses on the high school campus from Washington State Community College, Stark State Community College, and Marietta College.
2. College readiness criteria will determine a student’s admission to the program. The criteria are set by the participating college, not Marietta City Schools.
3. Records of the course work taken and credits granted will be included in the student’s cumulative record. Beginning with the class of 2016, all CCP grades will be included in the student’s cumulative GPA.
4. All courses taken under College Credit Plus will be included in the high school transcript as follows:
 - 0.33 credit = 1 semester hour,
 - 0.67 credit = 2 semester hours,
 - 1.0 credit = 3 semester hours or more

Note: Credits earned will satisfy, when applicable, high school graduation requirements and/or subject area requirements of the school district.
5. The student and parent must complete an "Intent to Participate" form and attend a meeting in the early spring. The "Intent to Participate" form is due by April 1, each year. In the event that April 1, falls on a non-school day, the due date will be the last student day before the deadline. There are additional responsibilities that parents and students must be aware of when participating in CCP that are addressed at the annual meeting.
6. Students that do not submit an "Intent to Participate" form by the due date will only be permitted to participate in the program upon approval by the superintendent.
7. No graduation requirements will be waived for participation in this enrollment option.
8. Students that participate in CCP by taking courses on the college campus are responsible for transportation to and from the institution.
9. In the event that students are taking courses on the college campus, students are required to submit class schedules to their guidance counselor.

NOTE: STUDENTS MUST HAVE A SUBMITTED A SIGNED LETTER OR INTENT NO LATER THAN April 1st. LETTERS WILL NOT BE CONSIDERED AFTER THIS DATE.

STANDARD 4.0 GRADING SCALE

A	93%-100%	4.0	D+	67%-69%	1.3
A-	90%-92%	3.7	D	63%-66%	1.0
B+	87%-89%	3.3	D-	60%-62%	0.7
B	83%-86%	3.0	F	0%-59%	0.0
B-	80%-82%	2.7			
C+	77%-79%	2.3			
C	73%-76%	2.0			
C-	70%-72%	1.7			

CLASS STANDINGS

The following guidelines will help the students plan their course work over their high school career. All students in grades nine (9) through twelve (12) should average five earned (5.0) credits per year. When students do so, they will be moving successfully toward graduation. To be considered a senior, a student **MUST** have earned at least **15 credits**. A junior must have earned at least 10 credits and a sophomore, a minimum of five credits, which will have them on a proper path to achieving graduation.

CALCULATIONS OF GRADE POINT AVERAGE

The Grade Point Average (GPA) is based on a Standard 4.0 scale. GPAs are calculated at the end of the student's 2nd, 4th, 6th, and 8th semester in school. The GPA is placed on the student's transcript and is used to determine eligibility for Honor Roll, Diploma with Honors, National Honor Society, Valedictorian, Salutatorian, Academic Excellence and Athletic Eligibility. All students receive a class rank based on their GPA and other criteria.

Please note that quality points play a factor in the final calculation of a student's grade point average. The number of credits must be multiplied by the quality points per credit to determine the number of quality points earned. A student's grade point average is obtained by dividing the total number of grade quality points by the total number of credit hours earned.

CALCULATION OF FINAL GRADE

All courses will be based on semesters. A final grade will be issued at the end of the course. The student's final grade will be determined by averaging the grades of the two nine weeks plus the semester exam. **Not taking the exam will result in failure for the class.** The nine weeks grade is twice the value of the exam grade. In courses where no exam is given the average of the two nine week grades will be entered for the exam grade for each semester. *Note: In yearlong courses, any student failing three grading periods will fail the course.*

MERIT ROLL/HONOR ROLL

Recognition for academic excellence shall be a part of the school program. A roster of students who meet the standards shall be compiled. In order for a student to be eligible for the Honor Roll, he/she must be taking a minimum of four classes at Marietta High School.

The Academic Achievement List shall be for students who achieve a grade point average of at least 3.0. The High Academic Achievement List shall be for students who have a grade point average better. Students earning a 4.0 or above will be recognized on the Principal's List.

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HONORS FOR EXCELLENT ATTENDANCE

Marietta High School maintains an enviable record of student attendance. Most high school students are absent fewer than five days per academic year. Special recognition is afforded those students with

perfect attendance over a period of time. Marietta High School recognizes that excellent attendance is a measure of the student's reliability, responsibility, and maturity.

VALEDICTORIAN & SALUTATORIAN

In the interest of encouraging and recognizing outstanding academic achievement, a senior class valedictorian and salutatorian will be selected according to the following procedure:

- A. The valedictorian will be the student with the highest GPA as computed at the end of **seven** semesters of high school work.
- B. The valedictorian will also need to meet all the requirements for a honors diploma set forth by the Ohio Department of Education.
- C. The salutatorian will be the student with the second highest GPA as computed at the end of **seven** semesters of high school work.
- D. In case of a tie for valedictorian, co-valedictorians will be honored.
- E. In case of a tie for salutatorian, co-salutatorians will be honored. If multiple valedictorians are honored a salutatorian may not be needed.
- F. The grades and credits for all subjects taken at Marietta High School and transfer credits (when applicable) in grades 9-12 will be used in the computation of class rank.
- G. All students in the class are included in determining class rank.
- H. Students must have been enrolled as a Marietta High School student for six semesters prior to the rank check to be eligible for class Valedictorian and Salutatorian.
- I. Both Grade Point Average (GPA) and class rank will be reported on transcripts.
- J. Students must be in good standing and have no out of school suspensions during their tenure at Marietta High School.
- K. Class speakers will be selected from the qualifying valedictorian and/or salutatorian candidates through the application process.

REPEATING CLASSES

Students may be given permission to repeat any class in which they have received credit. If repeated, the class must be completed by the end of the next school year. Only one (1) credit will be granted for the class and the higher of the two grades will be recorded and counted toward the student's GPA. Students having questions concerning repeating a class should consult with their guidance counselor.

EDUCATIONAL OPTIONS

Students seeking credit from sources other than the regular school program should consult their counselor for the following Educational Opportunities:

- Community Service
- Correspondence Courses
- Distance Education
- Early Enrollment Option at Washington State
- Flex-Credit
- Independent Study
- College Credit Plus

HIGH SCHOOL REPORT CARDS

The format of the report card for high school students consists of a computer printout based on proper information submitted by teachers.

Students will take report cards home for the first three reporting periods of the school year on the days indicated on the Board-adopted school calendar if school fees have been paid or a payment plan has been established. At the end of the school year, report cards will be sent by mail soon after the close of school, if all fees have been paid. No final grades will be adjudicated as incomplete. No variance from the final second semester examination schedule will be permitted.

The letter marks "A" through "F" are restricted to the measurement of academic achievement. "F" may be used for a temporary incomplete status. Grades will be adjusted when the student completes his/her excused work.

Infinite Campus, an on-line attendance and record book, will be available for parents to view their child's attendance and course grades. This program will allow parents to view their child's marks throughout each grading period at their request.

SCHEDULE CHANGE PROCEDURES

Scheduling is an extremely important process and careful consideration must be devoted to course selection. Students and parents should work with the guidance counselor to develop schedules that meet individual student needs as well as state and local graduation requirements.

To balance class size, provide sufficient staff material resources, stabilize student schedules, and maintain an appropriate educational atmosphere for all academic days, schedule changes must be minimized. However, it is understood that some changes are inevitable. **ALL REQUESTS** for schedule changes will be governed by the following guidelines:

- A. Schedule changes in preparation for the upcoming year must be made within one week of the conclusion of the current school year.
- B. After the school year begins, schedule changes are limited to a change of course level (only after at least ten (10) school days) or to adding a class in place of a study hall. Students who have scheduled seven (7) classes may receive permission to drop a class and add a study hall. This schedule change **MUST** be completed before interim reports are completed.
- C. A subject may be added in place of a study hall during the first two weeks of the course if there is room in the class and it does not necessitate an additional change in schedule.
- D. Minimum pupil load (six classes) must be maintained.
- E. Whenever possible, students may be enrolled in no more than one (1) study hall per day.
- F. Students wishing to drop a class must do so by the first interim report of the first grading period.

COLLEGE OR UNIVERSITY PLACEMENT

Students are advised to begin exploring the vast array of higher education opportunities as soon as possible in their high school career. Information on college or university institutions is available through the Guidance Office. Due to the intense competition for admittance to certain prestigious schools, it is vital that students address their educational and applicatory needs prior to the senior year of high school. When in doubt, consult with your counselor.

COLLEGE VISITATION

In the event a junior or senior is unable to arrange an appointment after school hours or on a school vacation day, that student may request an authorized absence to visit a college campus. Please use the following procedure if you plan to use this day:

1. Set up an appointment with the college well in advance.
2. Obtain and fill out an anticipated absence form and return this to the office prior to your visit.
3. A signed note from the college's or university's admission office verifying your visitation must be brought to the office upon your return. Failure to return the visitation verification will result in an unexcused absence or truancy.
4. No college visitation will be permitted after April 30.

5. Authorized absences for college visits are limited to four separate occurrences as a senior and two as a junior, unless permission is obtained from the principal in advance of the visit.

DIPLOMA WITH HONORS - STATE BOARD OF EDUCATION APPROVED CRITERIA:

Depending on whether a student is completing a college preparatory or career-technical education curriculum, honors diploma requirements differ slightly. The student must meet the requirements for the regular diploma plus criteria for honors listed.

High school students can gain state recognition for exceeding Ohio’s graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences.

Ohio students have the opportunity to choose to pursue one of six honors diplomas:

1. [Academic Honors Diploma](#)
2. [International Baccalaureate Honors Diploma](#)
3. [Career Tech Honors Diploma](#)
4. [STEM Honors Diploma](#)
5. [Arts Honors Diploma](#)*
6. [Social Science and Civic Engagement Honors Diploma](#)

*includes dance, drama/theatre, music and visual art.

For more information on Honors Diplomas, please go to the ODE website:

<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas>

WASHINGTON COUNTY CAREER CENTER

21740 State Route 676 | Marietta, Ohio 45750

Phone: 740-373-2766 | Email: info@thecareercenter.net

For more information go to: <http://www.thecareercenter.net>

The Career Center can offer a variety of opportunities. Students can become skilled in a technical field, gain immediate employment upon high school graduation, and/or further their studies in college, apprenticeship, or trade school. The Career Center can give you career related experiences, advanced college placement, licensure opportunities, and a place where your career begins.

Mission: The mission of the Washington County Joint Vocational School District is to provide career options through technical and academic education in a secure environment, resulting in knowledgeable and skilled individuals who are prepared for future opportunities and productive citizenship.

The Career Center serves Junior and Senior students from the following Washington County school districts:

- Belpre High School
- Fort Frye High School
- Frontier High School
- Marietta High School
- Warren High School
- Waterford High School

Programs of Study

Construction Careers

Building Technology/Carpentry
Electricity
Masonry

Environmental Careers

Heavy Equipment
Landscaping/Turf Management

Industrial Careers

Welding

Information Technology Careers

Computer Graphics
Health Information Technology

Medical Careers

Medical College Prep
Patient Health Care
Sports Medicine/Exercise Science

Service Careers

Cosmetology

Transportation Careers

Auto Collision (Custom Paint and Graphics)
Auto Mechanics
Diesel Truck Mechanics

MARIETTA HIGH SCHOOL CURRICULUM

AGRICULTURE

Agriculture: Food and Natural Resources	1.25
Agriculture: Livestock Management	1.25
Agriculture: Environmental Systems Capstone	1.0
Small Engine Repair	0.5

CAREER AND FINANCIAL PLANNING

CREDITS

College & Career Readiness	0.5	
Leadership & Community Engagement	0.5	
Personal Wellness and Development	0.5	
Business Administration (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Entrepreneurship (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Business Analysis with Algebra (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Managing Entrepreneurial Growth (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Global Entrepreneurship (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Financial Accounting (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Microeconomics (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Supervision (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Principles of Management (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Sales (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Effective Speaking (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Personal Career Development (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours

COLLEGE CREDIT PLUS (CCP)



CCP PARTNERED THROUGH MARIETTA COLLEGE (marietta.edu)

Drawing I	1.0	3 Semester Hours
Calculus	1.0	3 Semester Hours
Principles of Stats	1.0	3 Semester Hours

CCP PARTNERED THROUGH WASHINGTON STATE COMMUNITY COLLEGE (wscc.edu)

Survey of British Literature I	1.0	3 Semester Hours
Survey of British Literature II	1.0	3 Semester Hours
English Composition I	1.0	3 Semester Hours
English Composition II	1.0	3 Semester Hours
English Composition III	1.0	3 Semester Hours
College Algebra	1.3	4 Semester Hours
Beginning Spanish	1.0	3 Semester Hours
Intermediate Spanish	1.0	3 Semester Hours
Advanced Spanish	1.0	3 Semester Hours
Conversational Spanish	1.0	3 Semester Hours
American National Government	1.0	3 Semester Hours
American History to 1865	1.0	3 Semester Hours
American History 1865 to Present	1.0	3 Semester Hours
General Biology	1.0	3 Semester Hours
Anatomy and Physiology I	1.0	3 Semester Hours

Anatomy and Physiology II	1.0	3 Semester Hours
Applied Physics	1.0	3 Semester Hours
Principles of Physical Science I	1.0	3 Semester Hours
CCP PARTNERED THROUGH STARK STATE (starkstate.edu)		
Business Administration	0.5	1.5 Semester Hours
Entrepreneurship	0.5	1.5 Semester Hours
Business Analysis with Algebra	0.5	1.5 Semester Hours
Managing Entrepreneurial Growth	0.5	1.5 Semester Hours
Global Entrepreneurship	0.5	1.5 Semester Hours
Financial Accounting	0.5	1.5 Semester Hours
Microeconomics	0.5	1.5 Semester Hours
Supervision	0.5	1.5 Semester Hours
Principles of Management	0.5	1.5 Semester Hours
Principles of Marketing	0.5	1.5 Semester Hours
Sales	0.5	1.5 Semester Hours
Effective Speaking	0.5	1.5 Semester Hours
PC Applications	0.5	1.5 Semester Hours
Computer Apps for Prof	0.5	1.5 Semester Hours
 <u>COMPUTER SCIENCE</u>		
Web Page Design	0.5	
Introduction to Coding	0.5	
Desktop Publishing	0.5	
Computer Applications	0.5	
Robotics	0.5	
PC Applications (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
Computer Apps for Professionals (<i>CCP – Stark State</i>)	0.5	1.5 Semester Hours
 <u>CREDENTIALING PROGRAM</u>		
EMT Basic Training	1.0	
Firefighting I	1.0	
 <u>ENGLISH LANGUAGE ARTS</u>		
English 9 Honors	1.0	
English 9 College Survey	1.0	
Reading	0.5	
English 10 Honors	1.0	
English 10 College Survey	1.0	
English 10 Intervention	1.0	
American Film	0.5	
Civil War Literature	0.5	
Creative Writing	0.5	
Death Penalty Literature	0.5	
Drama	0.5	
Dystopian Literature	0.5	
Mythology	0.5	
Science Fiction	0.5	
Shakespeare	0.5	
Springsteen & Friends Literature	0.5	

Stephen King	0.5	
Woman in Literature	0.5	
Integrated English 9	0.5	
Journalism	1.0	
Survey of British Literature I (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Survey of British Literature II (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
English Composition I (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
English Composition II (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
English Composition III (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Speech (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours

FINE ARTS

Art I	0.5	
Art II	0.5	
Drawing I	0.5	
Drawing II	0.5	
Painting I	0.5	
Painting II	0.5	
Portfolio I	0.5	
Portfolio II	0.5	
3D Art/Design I	0.5	
3D Art/Design II	0.5	
Drawing I (<i>CCP – Marietta College</i>)	1.0	3 Semester Hours
Cantabile	1.0	
Performing Arts Primer	0.5	
Band	1.0	
Hand Bell Ensemble	1.0	
Bass Chorus	1.0	
Treble Chorus	1.0	
Junior Winds	1.0	
Wind Symphony	1.0	
Symphonic Winds	1.0	
Composition Theory	1.0	
Rock Band	0.5	
Stagecraft	0.5	
Musical Engineering	0.5	

FOREIGN LANGUAGE

Spanish I	1.0	
Spanish II	1.0	
Spanish III	1.0	
Honors Spanish IV	1.0	
Beginning Spanish (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Intermediate Spanish (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Advanced Spanish (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Conversational Spanish (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Chinese I	1.0	
Chinese II	1.0	
Chinese III	1.0	

HEALTH AND PHYSICAL EDUCATION

Health	0.5
Physical Education/Adaptive PE	0.25
Personalized Physical Fitness	0.5
Athletic Fitness Training	0.5
Sports Medicine 1	0.5
Sports Medicine 2	0.5

INDUSTRIAL TECHNOLOGY

Drafting I	1.0
Drafting II	1.0
Architecture I	1.0
Architecture II	1.0
Home Maintenance	0.5
CADD A	0.5
CADD B	0.5
Introduction to Engineering Design (Project Lead the Way)	1.0
Principles of Engineering (Project Lead the Way)	1.0
Scroll Saw Woodworking	0.5
Mechanical Principles	1.0
Wood & Metal Fabrication I	0.5
Wood & Metal Fabrication II	0.5

MATHEMATICS

Consumer Algebra	1.0	
Algebra I	1.0	
Algebra I Intervention	0.5	
Geometry	1.0	
Algebra II	1.0	
Algebra I College Prep	1.0	
Geometry College Prep	1.0	
Honors Geometry	1.0	
Algebra II College Prep	1.0	
Honors Algebra II/Trigonometry	1.0	
Honors Pre-Calculus	1.0	
Honors Calculus	1.0	
AP Calculus	1.0	
Calculus (<i>CCP – Marietta College</i>)	1.3	4 Semester Hours
Senior Math	1.0	
College Algebra (<i>CCP – Wash St Comm College</i>)	1.3	4 Semester Hours
Practical Statistics (<i>CCP – Marietta College</i>)	1.0	3 Semester Hours

SCIENCE

Environmental Science (A)	0.5
Environmental Science (B)	0.5
Astronomy	1.0
Biology	1.0
Chemistry	1.0
Physics	1.0

Physical Science	1.0	
AP Biology	2.0	
Honors Biology	1.0	
Honors Chemistry	1.0	
AP Physics I	1.0	
AP Chemistry	1.0	
Anatomy/Physiology I	0.5	
Anatomy/Physiology II	0.5	
General Biology I (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Anatomy and Physiology I (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Anatomy and Physiology II (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Applied Physics (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
Principles of Physical Science I (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours

SOCIAL STUDIES

World Studies	0.5	
Financial Literacy	0.5	
Psychology	0.5	
Sociology	0.5	
American History	1.0	
African American History	0.5	
African American History II	0.5	
Honors American History	1.0	
American Government	1.0	
American History to 1865 (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
American History 1865 to Present (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours
American National Government (<i>CCP – Wash St Comm College</i>)	1.0	3 Semester Hours

ADDITIONAL PROGRAMS

School Publications (Yearbook)	1.0	
Foundations of Firefighting and Emergency Medical Services	1.0	
Emergency Medical Responder	0.5	
Law & Public Safety Capstone	1.0	
Guided Study	Adm. Review	
Educational Options (Flex-Credit)	Adm. Review	

COURSE DESCRIPTIONS

AGRICULTURE

721 AGRICULTURE: FOOD AND NATURAL RESOURCES

Full Year Credit: 1.25 Grades 9-12 Fee: \$30.00 (FFA membership required)

Prerequisite: None

This is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways which are offered in the Agricultural and Environmental Systems careers. Learners will obtain fundamental knowledge and skills in food science, natural resource management, animal science and management, plant and horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability.

729 A/B AGRICULTURE: LIVESTOCK MANAGEMENT

Full Year Credit: 1.25 Grades 10-12 Fee: \$30.00 (FFA membership required)

Prerequisite: Agriculture, Food & Natural Resources

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

627 AGRICULTURAL/ENVIRONMENTAL SYSTEMS CAPSTONE

Full Year Credit: 1.0 Grade 12 Fee: \$30.00

Prerequisite: Teacher Permission

The Capstone course is an opportunity for students to solve problems and demonstrate that they have achieved the requisite knowledge and skills in their chosen Agricultural and Environmental Systems career field pathway. The course is designed to assess cognitive, affective, and psychomotor learning and to do so in a student-centered and student-directed manner. The Capstone requires the application of learning to a project that serves as an instrument of evaluation.

725 SMALL ENGINE REPAIR

Semester Credit: 0.5 Grades 9-12 Fee: \$30.00

Prerequisite: None

The Small Engine Repair course introduces students to the workings of internal combustion power as used in two and four stroke engines. Emphasis will be placed on care and maintenance of the engines. Students will be encouraged to bring in engines for study and repair.

CAREER AND FINANCIAL PLANNING

705 CAREER & COLLEGE READINESS

Semester Credit: 0.5 Grade 12

Prerequisite: None

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

706 LEADERSHIP & COMMUNITY ENGAGEMENT**Semester Credit: 0.5 Grade 12****Prerequisite: None**

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community and global engagement.

709 PERSONAL WELLNESS AND DEVELOPMENT**Semester Credit: 0.5****Prerequisite: None**

In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health. HPAC Participation strongly encouraged: The goal of the HPAC program is to promote community health and success by empowering students to address persistent health disparities and challenges by enacting health projects in their communities. HPACs support students as they identify personal and community resources and connect them to pressing community health concerns. Students in HPAC use these connections and learning to make a positive difference now and into the future.

SS BUS121 BUSINESS ADMINISTRATION**Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

A survey course designed to develop a comprehension of business theories and principles. Students will examine the following: American business development, management and organization, human resources, marketing, information for business strategy, decision making, finance and investment. Upon completion students should be able to demonstrate an understanding of the above topic areas and have a foundation for studying other business subjects. *(SS BUS121 ONLINE CLASS)*

SS ENT120 ENTREPRENEURSHIP**Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

This course is designed to introduce students to the entrepreneurial process from conception to birth of a new venture. Students will examine elements in the entrepreneurial process—personal, sociological and environmental—that give birth to a new enterprise. Critical factors for starting a new enterprise such as alternative career prospects, family, friends, role models, the state of the economy and the availability of resources will be explored. Students will be introduced to practical tools they can use to further their careers in business, both in entrepreneurship and in more traditional company environments. This course simulates the experiences that entrepreneurs undergo in conceiving, launching, and operating new businesses. The course enables students to evaluate and entrepreneurial career for themselves. *(SS ENT120 ONLINE CLASS)*

SS BUS124 BUSINESS ANALYSIS WITH ALGEBRA**Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

This course is designed to present and facilitate the mastery of the use of analysis in business applications. The applications include percentage computations, payroll, buying, markup and markdowns, simple interest, compound interest including business and consumer loans and ordinary annuities. Upon successful completion of this course, the student should be able to apply fundamental analysis to business problems. *(SS BUS124 ONLINE CLASS)*

SS ENT124 MANAGING ENTREPRENEURIAL GROWTH**Semester Credit: 0.5 Grades 9-12****Prerequisite: Completed ENT120-Entrepreneurship**

This course is designed for students who want to manage growing companies in an increasingly professional manner while still maintaining the entrepreneurial spirit that brought the company to its current growth position and for students who want to manage larger companies to emphasize innovation and the management of

opportunities rather than to concentrate on the efficient management of ongoing operations. Upon successful completion of the course, students should be able to measure economic performance and obtain information for management decision-making, management control systems for innovative companies, short and long run planning in owner-managed businesses, and entrepreneurship in managing growing companies. *(SS ENT124 ONLINE CLASS)*

SS ENT225 GLOBAL ENTREPRENEURSHIP

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: Completed ENT120-Entrepreneurship

This course examines how entrepreneurs create and manage emerging ventures in other countries and create and manage start-up emerging ventures which are global in at least one important aspect. The case analysis and classroom discussions draw on and integrate multidisciplinary concepts, skills and insights, marketing operations, finance control, decision-making, leadership, ethics, governance, negotiations all in the service of starting and managing entrepreneurial ventures. Upon successful completion of this course students should be able to identify and assess business models for international start-ups, venture valuation, sources of financing, deal structuring, cross-cultural issues in entrepreneurship, creating strategic alliances, managing/leading a small multinational organization, international acquisitions, managing entrepreneurial ventures in situations of financial distress and under changing contexts and managing global expansions of ventures. *(SS ENT225 ONLINE CLASS)*

SS ACC132 FINANCIAL ACCOUNTING

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: Completed BUS124

This course introduces the student to the fundamental processes of accounting through coverage of the accounting cycle consisting of transaction analysis, the recording function and financial statement preparation and analysis. Course coverage continues with a review of receivables; inventory, property, plant and equipment; bonds and stockholder's equity. Emphasis is given to why certain procedures are followed and their financial statement impact. Students may elect to take ACC121, Principles of Accounting, as an introduction to accounting prior to taking this course. TAG approved course- OBU010, effective summer 2015. *Offered online only.*

SS BUS221 MICROECONOMICS

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: NONE

An in-depth study of microeconomic concepts and principles such as supply and demand, price elasticity, production costs, different market structures, income distribution, marginal analysis, and other issues relating to global economics. Upon completion of this course, students should be able to demonstrate an understanding of these topics and be able to apply them to business. *(SS BUS221 ONLINE CLASS)*

SS MGT221 SUPERVISION

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: Completed MGT121

This course is organized around the employee in order to emphasize the importance of working with others. Some specific areas covered are: the role of the supervisor, basic concepts of office functions, management of information, motivation, sources of power and authority, work simplification and group dynamics. Upon completion, students should be able to apply current management theory to situations that occur at the supervisory level. *(SS MGT221 ONLINE CLASS)*

SS MGT121 PRINCIPLES OF MANAGEMENT

Prerequisite: Completed BUS121 or ENT120

This course provides an in-depth, balanced overview of management through coverage of basic management functions: planning, organizing, staffing, directing and controlling. Presents the current insights of open-systems theory, contingency theory, organization theory, organizational behavior and contemporary management science. Upon completion, students should be able to demonstrate an understanding of the above topic areas. *(SS BUS121 ONLINE CLASS)*

SS MKT121 PRINCIPLES OF MARKETING**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: Completed BUS221**

This course is an introduction to the important role that marketing plays in the successful operation of various enterprises that operate in both the domestic and international arenas. Emphasis is on developing marketing strategies needed to compete effectively in today's rapidly changing competitive environment. Customer buying behavior, market segmentation, quality customer service, the elements of product, distribution, pricing and promotion strategies are examined. Upon completion, students should be able to demonstrate an understanding of the above topic areas. *(SS MKT121 ONLINE CLASS)*

SS MKT221 SALES**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: Completed MKT121**

This course is an introduction to the important role that marketing plays in the successful operation of various enterprises that operate in both the domestic and international arenas. Emphasis is on developing marketing strategies needed to compete effectively in today's rapidly changing competitive environment. Customer buying behavior, market segmentation, quality customer service, the elements of product, distribution, pricing and promotion strategies are examined. Upon completion, students should be able to demonstrate an understanding of the above topic areas. **Offered Online Only**

SS COM121 EFFECTIVE SPEAKING**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: NONE**

This course is designed to help students develop effective speaking skills so that they are better prepared to speak before groups in business or industry. Principles of content selection, organization, audience analysis, and projection are studied.

CAREER SEARCH I**Semester** **Credit: 0.5** **Grade 10****Prerequisite: None**

Standard: Build Relationships, Standard: Design a Career Blueprint, Standard: Manage Transitions. Develop an Individual Academic Career Plan (IACP), practice job skills, and interpret career and workplace issues. Demonstrate how academic achievement and conflict resolution techniques influence personal and career growth. Apply social skills that lead to effective school, career and family relationships that help to create a healthy, caring and responsible citizen. Job-Shadow a minimum of 4 to 6 hours.

COLLEGE CREDIT PLUS (CCP)

All courses offered on Campus at Marietta HS

CCP PARTNERED THROUGH MARIETTA COLLEGE (marietta.edu)

MC ART 101 DRAWING I

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Fundamentals of drawing. Perspective, line, form, and composition used for representational studies from nature and still life.

MC MATH 125 CALCULUS

Semester **Credit: 4 Hours**

Prerequisite: Math 121 or passing calculus readiness test

First of three-semester series of courses covering differential and integral calculus, vectors and vector calculus, some analytical geometry, and calculus of several variables. Includes use of computer as teaching and computational aid.

MC MATH 123 PRACTICAL STATISTICS

Semester **Credit: 3 Hours**

Prerequisite: None

Students will become more knowledgeable consumers of statistical analysis. This course gives intuitive rather than rigorous discussion of statistical techniques and reasoning. Descriptive statistics, confidence intervals, hypothesis testing, and the normal distribution will be covered.

CCP PARTNERED THROUGH WASHINGTON STATE COMMUNITY COLLEGE (wscc.edu)

WSCC 707 CAREER SEARCH I

Semester **Credit: 0.5** **Grade 10**

Prerequisite: None

Standard: Build Relationships, Standard: Design a Career Blueprint, Standard: Manage Transitions. Develop an Individual Academic Career Plan (IACP), practice job skills, and interpret career and workplace issues. Demonstrate how academic achievement and conflict resolution techniques influence personal and career growth. Apply social skills that lead to effective school, career and family relationships that help to create a healthy, caring and responsible citizen. Job-Shadow a minimum of 4 to 6 hours.

WSCC LITR 2200 SURVEY OF BRITISH LITERATURE I

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Historical and critical study of British authors from the Old English period through the 18th century.

WSCC LITR 2210 SURVEY OF BRITISH LITERATURE II

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Historical and critical study of British authors from the 19th century to present.

WSCC ENGL 1510 ENGLISH COMPOSITION I

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Develop, compose, and revise expository essays, which center on a definite thesis statement. The course covers 2014 - 2015 Catalog • 104 Updated September 10, 2014 Course Catalog rhetorical modes such as example, process analysis, definition, and comparison/contrast. The course also covers planning, drafting, and revision skills. Prerequisite: ENGL 0900 with "C" or better or Compass Score 69 or greater.

WSSC ENGL 1520 ENGLISH COMPOSITION II

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: ENGL 1510

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing.

WSSC ENGL 1530 ENGLISH COMPOSITION III

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing. Prerequisite: ENGL 1510 or ENGL 1515 or ENGL 1513.

WSSC MATH 2130 COLLEGE ALGEBRA

Semester **Credit: 4 Hours**

Prerequisite: None

Application-based course on functions and graphs, systems of linear equations, 3x3 determinants, factoring, quadratic equations and inequalities, exponents and radicals, and logarithms.

WSSC SPCH 1510 SPEECH

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Introduces students to both the general principles of communication and the specific process involved in the preparation and presentation of informative and persuasive one-to-many messages.

WSSC CCP BEGINNING SPANISH 1110

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: Strong Base (A) in Spanish I

Uses Arriba textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long high school Spanish I class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of final grade is the online workbook grade (with an average of 30 online assignments weekly), 20% online classroom exams and 10% (each) midterm and final.

WSSC CCP INTERMEDIATE SPANISH 1130

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Uses Arriba textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish II class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

WSSC CCP ADVANCED SPANISH 2110

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Uses Arriba textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish III class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

WSSC CCP CONVERSATIONAL SPANISH 2130**Semester** **Credit: 1.0 (3 Semester Hours)****Prerequisite: None**

Uses *Arriba* textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish IV class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

WSSC HIST 2110 AMERICAN HISTORY TO 1865**Semester** **Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Political, diplomatic, social, and economic developments of America from 1607 to 1865: Topics include Colonial America, founding of a new nation, the early national period, Jacksonian Democracy, territorial expansion, sectionalism & controversy and the Civil War.

WSSC HIST 2110 AMERICAN HISTORY 1865 TO PRESENT**Semester** **Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Political, diplomatic, social, and economic development of America 1865 to Present. Topics include Reconstruction, the Industrial Revolution, the progressive movement, World Wars I and II, prosperity and depression, and problems of the Cold War era.

WSSC POLS 1020 AMERICAN NATIONAL GOVERNMENT**Semester** **Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Survey of all aspects of our democratic system; emphasis on the Constitution, the three branches of government, civil rights and liberties, and foreign policy.

WSSC GENERAL BIOLOGY I**Semester (2)** **Credit: 1.0 (3 Semester Hours)****Cost: \$120****Prerequisite: Biology and Chemistry with a "C" or better**

An introductory course for biology majors covering reproduction of cells, their structure and function, classical and molecular genetics and evolution. It has an emphasis on the evolution of animal and plant life, including systematic, phylogeny, organ systems, anatomy, physiology and behavior. The course emphasizes comparative strategies within the animal and plant kingdom.

WSSC ANATOMY AND PHYSIOLOGY I (with Lab)**Semester** **Credit: 1.0 (3 Semester Hours)****Cost: \$30****Prerequisite: Biology with a "C" or better**

This course is the first of a two-term sequence designed to facilitate an understanding of the structural and functional units of the human body. Formal classroom activities are integrated in a comprehensive study of the cells, tissues and organs of the body, with emphasis on the integumentary, skeletal, muscular, nervous, endocrine, and reproductive systems, two class hours per week

WSSC ANATOMY AND PHYSIOLOGY II (with Lab)**Semester** **Credit: 1.0 (3 Semester Hours)****Cost: \$30****Prerequisite: Anatomy and Physiology I**

The second course in a two-term sequence designed to facilitate understanding of the structure and function of the human body. Formal classroom activities are integrated in a comprehensive study of the nervous system, special senses, blood, circulatory, lymphatic, repertory, digestive, and renal systems.

WSCC PHYS 1010 APPLIED PHYSICS**Semester Credit: 1.0 (3 Semester Hours) Cost: \$10**

Introduction to the principles combined with its applications in industry today. Covers the broad fields of mechanics, heat, light, sound. Specific topics include atomic structure, flow of fluids, work, energy, simple machines, thermal expansion & gas laws. High school physics is not required.

WSCC PHYS 1100 Principles of Physical Science I**Semester Credit: 1.0 (3 Semester Hours) Cost: \$10**

Covers basic principles and concepts of astronomy and physics. For non-science majors. Prerequisite: high school science. Prerequisite: High school science or equivalent

CCP PARTNERED THROUGH STARK STATE (starkstate.edu)**SS*BUS121 BUSINESS ADMINISTRATION****Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

A survey course designed to develop a comprehension of business theories and principles. Students will examine the following: American business development, management and organization, human resources, marketing, information for business strategy, decision making, finance and investment. Upon completion students should be able to demonstrate an understanding of the above topic areas and have a foundation for studying other business subjects. *(SS BUS121 ONLINE CLASS)*

SS*ENT120 ENTREPRENEURSHIP**Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

This course is designed to introduce students to the entrepreneurial process from conception to birth of a new venture. Students will examine elements in the entrepreneurial process—personal, sociological and environmental—that give birth to a new enterprise. Critical factors for starting a new enterprise such as alternative career prospects, family, friends, role models, the state of the economy and the availability of resources will be explored. Students will be introduced to practical tools they can use to further their careers in business, both in entrepreneurship and in more traditional company environments. This course simulates the experiences that entrepreneurs undergo in conceiving, launching, and operating new businesses. The course enables students to evaluate and entrepreneurial career for themselves. *(SS ENT120 ONLINE CLASS)*

SS*BUS124 BUSINESS ANALYSIS WITH ALGEBRA**Semester Credit: 0.5 Grades 9-12****Prerequisite: None**

This course is designed to present and facilitate the mastery of the use of analysis in business applications. The applications include percentage computations, payroll, buying, markup and markdowns, simple interest, compound interest including business and consumer loans and ordinary annuities. Upon successful completion of this course, the student should be able to apply fundamental analysis to business problems. *(SS BUS124 ONLINE CLASS)*

SS*ENT124 MANAGING ENTREPRENEURIAL GROWTH**Semester Credit: 0.5 Grades 9-12****Prerequisite: Completed ENT120-Entrepreneurship**

This course is designed for students who want to manage growing companies in an increasingly professional manner while still maintaining the entrepreneurial spirit that brought the company to its current growth position and for students who want to manage larger companies to emphasize innovation and the management of opportunities rather than to concentrate on the efficient management of ongoing operations. Upon successful completion of the course, students should be able to measure economic performance and obtain information for management decision-making, management control systems for innovative companies, short and long run

planning in owner-managed businesses, and entrepreneurship in managing growing companies. *(SS ENT124 ONLINE CLASS)*

SS*ENT225 GLOBAL ENTREPRENEURSHIP

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: Completed ENT120-Entrepreneurship

This course examines how entrepreneurs create and manage emerging ventures in other countries and create and manage start-up emerging ventures which are global in at least one important aspect. The case analysis and classroom discussions draw on and integrate multidisciplinary concepts, skills and insights, marketing operations, finance control, decision-making, leadership, ethics, governance, negotiations all in the service of starting and managing entrepreneurial ventures. Upon successful completion of this course students should be able to identify and assess business models for international start-ups, venture valuation, sources of financing, deal structuring, cross-cultural issues in entrepreneurship, creating strategic alliances, managing/leading a small multinational organization, international acquisitions, managing entrepreneurial ventures in situations of financial distress and under changing contexts and managing global expansions of ventures. *(SS ENT225 ONLINE CLASS)*

SS ACC132 FINANCIAL ACCOUNTING

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: Completed BUS124

This course introduces the student to the fundamental processes of accounting through coverage of the accounting cycle consisting of transaction analysis, the recording function and financial statement preparation and analysis. Course coverage continues with a review of receivables; inventory, property, plant and equipment; bonds and stockholder's equity. Emphasis is given to why certain procedures are followed and their financial statement impact. Students may elect to take ACC121, Principles of Accounting, as an introduction to accounting prior to taking this course. TAG approved course- OBU010, effective summer 2015. *Offered online only.*

SS*BUS221 MICROECONOMICS

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: NONE

An in-depth study of microeconomic concepts and principles such as supply and demand, price elasticity, production costs, different market structures, income distribution, marginal analysis, and other issues relating to global economics. Upon completion of this course, students should be able to demonstrate an understanding of these topics and be able to apply them to business. *(SS BUS221 ONLINE CLASS)*

SS*MGT221 SUPERVISION

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: Completed MGT121

This course is organized around the employee in order to emphasize the importance of working with others. Some specific areas covered are: the role of the supervisor, basic concepts of office functions, management of information, motivation, sources of power and authority, work simplification and group dynamics. Upon completion, students should be able to apply current management theory to situations that occur at the supervisory level. *(SS MGT221 ONLINE CLASS)*

SS*MGT121 PRINCIPLES OF MANAGEMENT

Prerequisite: Completed BUS121 or ENT120

This course provides an in-depth, balanced overview of management through coverage of basic management functions: planning, organizing, staffing, directing and controlling. Presents the current insights of open-systems theory, contingency theory, organization theory, organizational behavior and contemporary management science. Upon completion, students should be able to demonstrate an understanding of the above topic areas. *(SS BUS121 ONLINE CLASS)*

SS*MKT121 PRINCIPLES OF MARKETING**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: Completed BUS221**

This course is an introduction to the important role that marketing plays in the successful operation of various enterprises that operate in both the domestic and international arenas. Emphasis is on developing marketing strategies needed to compete effectively in today's rapidly changing competitive environment. Customer buying behavior, market segmentation, quality customer service, the elements of product, distribution, pricing and promotion strategies are examined. Upon completion, students should be able to demonstrate an understanding of the above topic areas. *(SS MKT121 ONLINE CLASS)*

SS MKT221 SALES**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: Completed MKT121**

This course is an introduction to the important role that marketing plays in the successful operation of various enterprises that operate in both the domestic and international arenas. Emphasis is on developing marketing strategies needed to compete effectively in today's rapidly changing competitive environment. Customer buying behavior, market segmentation, quality customer service, the elements of product, distribution, pricing and promotion strategies are examined. Upon completion, students should be able to demonstrate an understanding of the above topic areas. **Offered Online Only**

SS COM121 EFFECTIVE SPEAKING**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: NONE**

This course is designed to help students develop effective speaking skills so that they are better prepared to speak before groups in business or industry. Principles of content selection, organization, audience analysis, and projection are studied.

SS ITD122 PC APPLICATIONS**Semester** **Credit: 0.5** **Grades 9-12****Prerequisite: (Score of 21/30 on entrance test)**

Computer Applications for Professionals describes the components and peripherals of a computer/PC and how they function and communicate as a system. Principle topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business and engineering technology problems.

SS ITD122 COMPUTER APPS FOR PROFESSIONALS**Semester** **Credit: 0.5** **Grades: 9-12****Prerequisite: WRITTEN TEST**

Computer Applications for Professionals describes the components and peripherals of a computer/PC and how they function and communicate as a system Topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business, and engineering technology problems. **Offered online only.**

COMPUTER SCIENCE

251 INTRODUCTION TO CODING

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: None

Students will learn to design, develop and produce interactive media projects, web pages, and discuss social media contexts. Students will demonstrate methods of creating media using commercial and open source software. Instruction provides the principles of web design using HTML, CSS and/or commercial software programs.

253 TIGER WEB PAGE

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: An "A" in Web Design & Teacher Permission

Students will apply design techniques to generate effective, pleasing, and useful web pages for the MHS web site, "The Bridge." Students will learn effective presentation skills by consistently analyzing, evaluating and improving the school web page. Regular updates to the high school's web page is the ongoing project of this course. Leadership, independent thinking, the ability to meet deadlines, and teamwork skills are required. Students must work outside of class, including attending and covering extracurricular school events.

259 DESKTOP PUBLISHING

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: None

Students will develop professional looking publications, such as newsletters, advertisements, flyers, announcements, stationary and business cards. Desktop publishing provides a practical hand-on approach to developing skills in the use of desktop publishing software, PowerPoint and Photoshop Elements.

511 COMPUTER APPLICATIONS

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: None

This course provides training on information technology methods included in the Microsoft Office software. Topics of instruction will include using Microsoft Word, Excel, Access and PowerPoint programs. Student training will include many skills for producing documents, completing research with assigned topics and creating reports and presentations.

SS ITD122 PC APPLICATIONS

Semester **Credit: 0.5** **Grades 9-12**

Prerequisite: (Score of 21/30 on entrance test)

Computer Applications for Professionals describes the components and peripherals of a computer/PC and how they function and communicate as a system. Principle topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business and engineering technology problems.

254 ROBOTICS

Semester **Credit: 1.0** **Grades 9-12**

Prerequisite: NONE

Lego Robotics uses Legos as a fun tool to explore robotics, mechanical systems, electronics, and programming. Primarily a lab experience, this course provides students resources to design, build, and program functional robots constructed from Legos and a few other parts, such as motors and sensors. The class also explores other topics of interest to the students, such as digital logic, modern robotics, or artificial intelligence. Absolutely no experience with Lego, robotics, or programming is needed. Lego Robotics is a great way to try out new ideas, play with Legos, and learn some basic engineering.

SS ITD122 COMPUTER APPS FOR PROFESSIONALS

Semester **Credit: 0.5** **Grades: 9-12**

Prerequisite: WRITTEN TEST

Computer Applications for Professionals describes the components and peripherals of a computer/PC and how they function and communicate as a system. Principle topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business, and engineering technology problems. **Offered online only.**

CREDENTIALING PROGRAMS

902 EMT BASIC TRAINING

Full Year **Credit: 1.0** **Grade 12** **Fee: \$50.00**

Prerequisite: Students must be at least 17 years of age and in their last year of high school, physically capable to perform tasks, and of good moral character. This class is a minimum of 150 hours, most of which students will complete during the school day. However, there will be some Saturday classes as well.

Emergency Medical Technician training is designed for people interested in the care and transportation of patients in emergency vehicles. The course contains class work and clinical experience. Learn how to operate an ambulance, transport and care for patients, and how to determine the nature and extent of illness or injury.

Students must maintain a minimum of 80% average in the class to remain in the class, and students must obtain a minimum of a 75% on the final exam to be eligible to take the National Registry Exam. Students are required to maintain 100% attendance for the class. If a student misses any class time, those hours must be completed with a certified instructor.

FIREFIGHTER I

Full Year **Credit: 1.0** **Grade 12** **Fee: \$50.00**

Prerequisite: Students must be at least 17 years of age and in their last year of high school, physically capable to perform tasks, and of good moral character. This class is a minimum of hours, most of which students will complete during the school day. However, there will be some Saturday classes as well.

Firefighter I training is a course that prepares students for a career in the fire service. Students learn the history of firefighting, ground operations, fire science, fire suppression, use of protective equipment, rescue equipment, tools and appliances. Students will apply knowledge by training with fire equipment, live fire exercises, and practicing a variety of rescue situations. Students that successfully complete this course at a chartered institution will be eligible to take the Ohio Firefighter I certification test.

ENGLISH LANGUAGE ARTS

011 ENGLISH 9 HONORS

Full Year **Credit: 1.0** **Grade 9** **Fee: \$35.00**

Prerequisite: Placement is based upon teacher recommendation.

Freshman Honors is an accelerated and enriched course for four-year college-bound students with strong interest and ability in language arts. Students must be willing to complete a rigorous year of composition, literature study and analysis, oral communication projects, vocabulary study, and listening/visual literacy. Individual and group projects abound. Summer reading is also required.

012 ENGLISH 9 COLLEGE SURVEY

Full Year **Credit: 1.0** **Grade 9** **Fee: \$30.00**

Prerequisite: Placement is based upon teacher recommendation.

Freshman College Survey is an introduction to literature and the language arts intended to accommodate four-year college-bound students. Heavy emphasis is placed on the study of short stories, poetry, drama, and novels. Frequent and extensive exposure to process writing including narration, exposition, and description provide the foundation for competitive college level composition. Students will experience comprehensive study of vocabulary, grammar usage and mechanics, oral communication, and listening/visual literacy.

072 READING

Semester **Credit: 0.5** **Grade 9** **Fee \$5.00**

Prerequisite: None

This course emphasizes reading comprehension skills, vocabulary development, independent reading, study skills, and reading rate improvement/flexibility. This class is recommended for students who feel they need additional help or would like more opportunities to read independently. Students will work on individual materials at their own pace as indicated by their skills levels and skill needs.

021 ENGLISH 10 HONORS

Full Year **Credit: 1.0** **Grade 10** **Fee: \$35.00**

Prerequisite: Completed application/teacher recommendation

Sophomore Honors is an accelerated and enriched course designed for the four-year college-bound student who is serious about advancing skills in composition, literature analysis, research, oral communication, and listening/visual literacy through intensive study. Vocabulary development preparatory to college entrance exams is also a major component of this course. Composition study emphasizes a variety of writing styles leading to the development of essays and a research paper. Individual and group independent projects abound. In addition, summer reading and writing is required.

022 ENGLISH 10 COLLEGE SURVEY

Full Year **Credit: 1.0** **Grade 10** **Fee: \$30.00**

Prerequisite: None

Sophomore College Survey continues and extends the integrated and comprehensive study of analytical reading and writing, plus extensive speaking and listening experiences. In addition, this course includes the challenging study of all genres of literatures (including classic). Emphasis on a variety of effective methods in building paragraphs and essays, as well as a mandatory research paper, serve as the writing foundation for continuing college preparation. Advanced vocabulary skills and refinement of grammar usage/mechanics are integral components to this course.

051 MYTHOLOGY

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$20.00**

Prerequisite: None

Mythology is designed to acquaint students with ancient Greek and Roman deities and heroes and their stories, on which much of our best literature, art, and music is based. The knowledge gained will enable the student to better understand many allusions to mythology made in every kind of literature.

052 AMERICAN FILM

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

Film, like literature, generally is designed for more than simple entertainment. This course will examine the themes presented by the directors of some of the classic films in the history of the motion picture industry, many of which are on the American Film Institute's list of the 100 greatest movies of all time. Class time will be spent examining scenes and themes.

053 DEATH PENALTY LITERATURE

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

This course focuses on the literature of capital punishment. Reading selections largely will come from the non-fiction genre, but also may include some fictional narratives designed to force citizens to consider the effectiveness and appropriateness of the death penalty.

054 CREATIVE WRITING

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

Creative writing is a semester course that will require students to create a writing portfolio, which will include poetry, short stories, personal essays, and several other original pieces. This class is not only limited to producing original work, but to read and engage with master texts. Students will participate in peer workshops, engage in constructive criticism, and analyze creative pieces.

056 THE EARLY WORKS OF STEPHEN KING

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

Stephen King is one of the most prolific writers of this generation, having published over 50 novels, in addition to several non-fiction books and collections of short stories. Students will read three novels and a selection of other stories and writings.

057 SCIENCE FICTION

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$20.00**

Prerequisite: None

061 THE POETRY OF SPRINGSTEEN AND FRIENDS

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

The class will examine the writings of various artists and analyze themes that are a part of American culture. Although the music of Bruce Springsteen will be featured, the writings of artists such as Bob Dylan, John Mellencamp, Alan Jackson, and The Beatles also will be discussed.

062 SHAKESPEARE

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**

Prerequisite: None

This semester course will require students to engage with texts written by Shakespeare, as well as literary criticism concerning Shakespeare's plays. Students will read Shakespeare's sonnets, comedies, tragedies, and histories. Students in this class should prepare to read aloud, read independently, and analyze and write about Shakespeare's work.

063 WOMEN IN LITERATURE

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**
Prerequisite: None

This course examines the contributions of female writers to novels, short stories, and poetry. Students will read various selections, primarily twentieth century American and British writers, discuss them in class, and write essays in response to the readings. The focus of the course will be the relationship between the works and their broader historical, social, political, and cultural context.

064 DYSTOPIAN LITERATURE

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**
Prerequisite: None

Dystopian literature has become increasingly popular over the last several years. Dystopian literature is a form of speculative fiction that engages the reader with the question "What if?" This class endeavors to study and analyze why humanity is so fascinated with dystopian societies and what it means for the future. Students should expect to read multiple novels and write multiple papers analyzing dystopian literature

065 CIVIL WAR LITERATURE

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**
Prerequisite: None

Civil War Literature is a course offered to students who want to take a closer look at the American Civil War through literature of the time period and about the time period. This course will examine both primary and secondary sources. It will include historical fiction and non-fiction accounts. The course involves class reading and independent reading as well as class discussion, presentations, and writing in response to literature.

066 SCIENCE OF ART & RESEARCH

Semester **Credit: 0.5** **Grade 9-12** **Fee: \$25.00**
Prerequisite: None

In today's digital age, students have access to infinite information. Discerning students realize that not all of that information is accurate, but probably all students have struggled with how to sift through and use the overwhelming amount of information. In this course, students will study the science of research as well as the art of putting the research into quality reports and presentations. Students will learn about developing ideas, gathering information, analyzing data, organizing materials, and crafting quality, well-reasoned reports.

072 READING INTERVENTION

Semester **Credit: 0.5** **Grades 9-12**
Prerequisite: None

Reading Intervention will identify weaknesses and provide intense, systematic instruction in the following areas: Phonemic awareness, phonics skills, application of comprehension strategies to increase understanding and enjoyment of what is read, metacognition (thinking about what and how we read) vocabulary strategies such as morphemic analysis and context clues to derive word meaning and fix up strategies. Students will be provided an opportunity to speak and write about what they read. This will not be a one-size-fits-all type of class.

082 JOURNALISM

Full Year **Credit: 1.0** **Grades 9-12** **Fee: \$20.00**
Prerequisite: completed application and permission only

Students will learn to interview people, write articles, edit copy, design layouts, write headlines, sell advertising, and take photographs for the school's newspaper, The Original. Students will work individually to complete stories to meet the editor's deadlines. In addition, students will fulfill class assignments designed to improve writing and journalistic techniques. Students will learn to use Microsoft Publisher to edit and lay out

newspapers. Students will be expected to participate in periodic after-school work sessions. A completed application, which includes a recommendation from the current English teacher, must be approved by the Journalism Advisor prior to registration for the class. Applications can be obtained from the Guidance Office.

WSSC LITR 2200 Survey of British Literature I

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Historical and critical study of British authors from the Old English period through the 18th century.

WSSC LITR 2210 Survey of British Literature II

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Historical and critical study of British authors from the 19th century to present.

WSSC ENGL 1510 English Composition I

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Develop, compose, and revise expository essays, which center on a definite thesis statement. The course covers 2014 - 2015 Catalog • 104 Updated September 10, 2014 Course Catalog rhetorical modes such as example, process analysis, definition, and comparison/contrast. The course also covers planning, drafting, and revision skills. Prerequisite: ENGL 0900 with "C" or better or Compass Score 69 or greater.

WSSC ENGL 1520 English Composition II

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: WSSC ENGL 1510

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing.

WSSC ENGL 1530 English Composition III

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing. Prerequisite: ENGL 1510 or ENGL 1515 or ENGL 1513.

WSSC SPCH 1510 Speech

Semester **Credit: 1.0 (3 Semester Hours)**

Prerequisite: None

Introduces students to both the general principles of communication and the specific process involved in the preparation and presentation of informative and persuasive one-to-many messages.

FINE ARTS

811 BUSINESS OF ARTS & COMMUNICATION- ART I

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$20.00**

Prerequisite: None

The class will focus on drawing skills and composition. Experience in pencils, ink, charcoal, tempera paint, and clay will be stressed.

812 ART II

Semester **Credit: 0.5** **Grades 10-12** **Fee: \$22.00**

Prerequisite: Art I

Art II features more in-depth study with introduction to watercolor and other new media and techniques.

813 PAINTING I

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$30.00**
Prerequisite: Art I or Drawing I

This is an in-depth study with emphasis on independent work and individual problem solving.

814 PAINTING II

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$30.00**
Prerequisite: Painting I

This is an in-depth study with emphasis on independent work and individual problem solving. Multi works projects in a "work on your own" situation.

815 PORTFOLIO I

Semester **Credit: 0.5** **Grade 12** **Fee: \$30.00**
Prerequisite: Art IV

Continuing teacher supervised instruction, with independent work skills developed in drawing. Stress on quality, finished products and development of a portfolio.

816 PORTFOLIO II

Semester **Credit: 0.5** **Grade 12** **Fee: \$30.00**
Prerequisite: Portfolio I

Continuing teacher supervised instruction, with further independent work skills developed in drawing. Instructional focus is on quality, finished products and development of a portfolio throughout the semester.

881 3D ART/DESIGN I

Semester **Credit: 0.5** **Grades 11-12** **Fee: \$40.00**
Prerequisite: Instructor Approval

Students will learn to use design techniques using the x, y, and z axes to interpret and develop a realistic figure of the desired object. This is a project based class.

882 3D ART/DESIGN II

Semester **Credit: 0.5** **Grades 11-12** **Fee: \$40.00**
Prerequisite: Instructor Approval

Students will delve deeper into the design techniques/skills learned in the previous class. This is a project based class

MC ART 101/DRAWING 1

Semester **Credit: 3 Hours** **Grades 9-12** **Fee: TBA**
Prerequisite: None

This course will explore the fundamentals of drawing, perspective, line, form and composition used for representational studies from nature and still life. The Marietta College syllabus for the class will be followed.

884 CANTABILE

Full Year **Credit: 1.0** **Grades 10-12**
Prerequisite: 1 year of either Treble or Men's Chorus-Audition required

Marietta Cantabile is a select group of students in grades 10-12. The selection process is based on tone quality, vocal technique, music reading skills, attitude and needs of the choir. Students will study an advanced body of repertoire for all style and historic periods of vocal literature. Advanced music reading skills are required for participation in this ensemble. Students will practice proper vocal technique including posture, tone quality, breath support, intonation, and musicality. The students in this ensemble will review the solfege system of sight-singing. The students are required to participate in all concerts, district and state contests, solo and ensemble and community events as choir scheduling permits. These events are held outside of school time. In addition, extra rehearsals outside of school time will be held periodically as necessary.

887 BASS CHORUS

Full Year Credit: 1.0 Grades 9-12

Prerequisite: Placement Hearing

A vocal ensemble geared to train male voices to sing with proper posture, breath support and tone quality. Students will learn a variety of repertoire from all periods and styles of choral literature. The main emphasis of this group will be on vocal development. The group will perform at concerts, district contests, solo and ensemble and community events as scheduling permits. Students will have the opportunity to work in small groups and individually to perform music of varying levels of difficulty. The students in this class will work on sight-singing skills using the solfege system of music reading. This class requires performances at events outside of class time.

888 TREBLE CHORUS

Full Year Credit: 1.0 Grades 9-12

Prerequisite: Placement Hearing

A vocal ensemble geared to train female voices to sing with proper posture, breath support and tone quality. Students will learn a variety of repertoire from all periods and styles of choral literature. The main emphasis of this group will be on vocal development. The group will perform at concerts, district contests, solo and ensemble and community events as scheduling permits. Students will have the opportunity to work in small groups and individually to perform music of varying levels of difficulty. The students in this class will work on sight-singing skills using the solfege system of music reading. This class requires performances at events outside of class time.

892 PERFORMING ARTS PRIMER - GENERAL MUSIC

Semester Credit: 0.5 Grades 9-12 FEE: \$15.00

Prerequisite: None

In this course students will focus primarily on learning the performance aspect of music as it relates to percussion instruments, piano and guitar. Students will learn the basics of reading musical notation including notes, rests, symbols and apply them to their performance. Students will also learn rehearsal and performance etiquette. All performances will be in the classroom setting.

890 BAND

Full Year Credit: 1.0 Grades 9-12

Prerequisite: Permission of instructor and audition. Any student who has shown proficiency on a band instrument may take marching band/concert band.

Participation in these groups can bring hours of enjoyment both now and during the years to come. This can also be helpful for a career in music.

In the Marching Band, basic marching techniques and show music are learned during scheduled class time. The students learn to work with other members of the band toward perfection of every movement. Students learn to perform basic movements used by all marching units and to critically judge the performance of other

groups by a set of criteria. Along with marching band techniques, the student learns to play and interpret music from all styles. This will improve the proficiency of the individual player. Students perform what they have learned at high school football games and marching band competitions.

The Symphonic Band comes into existence following the completion of the marching season. The purpose of the Symphonic Band is to further the development of the younger musician in the high school instrumental music program. The student will learn the basic musicianship, as well as performance skills. This will include basic musical terms and the observance of all musical markings. The various time signatures and key signatures will also be studied. Covered during the course will be the development of sight-reading ability. This will be done through a graded system of materials.

The Concert Band will be selected and seated through auditions of all playing members. Balanced instrumentation and musical ability will be the criterion for placement in concert bands. The group will continue an in-depth study of the seven elements of music and the continued technical development of the individual musician. During the course of the concert season, both concert bands will perform three formal concerts (Christmas, Winter and Spring), at district/State Concert Band Competition, graduation and solo and ensemble contests. The marching band will perform at football games, local parades, and miscellaneous marching band competitions in and out of the immediate area.

861 JUNIOR WINDS

Full Year Credit: 1.0 Grades 9-12

Students in grades 9-12 who are beginning band and students in Wind Symphony or Symphonic Winds and want to play a new instrument.

862 WIND SYMPHONY

Full Year Credit: 1.0 Grades 9-12

Primarily 8-10 Grades.

880 SYMPHONIC WINDS

Full Year Credit: 1.0 Grades 9-12

Advanced Band, primarily students in grade 9-12.

891 HANDBELL ENSEMBLE

Full Year Credit: 1.0 Grades 9-12

Prerequisite: Audition for color guard.

Color guard members shall be chosen by audition. Practice and try-outs will be held in December and early spring for any interested incoming 9th, 10th, 11th, or 12th grade student. Students selected will be members of the marching band through the end of the marching season (mid-to late November) and then will become part of the handbell program. Color Guard members will receive a full schedule of bell rehearsals, performances, and camps in May, and an updated schedule at the opening of school in August.

As part of the high school marching band, color guard members will participate in all band camps, rehearsals, parades, assemblies, football games, competitions, and other scheduled events. The purpose of the color guard is to add color and excitement to the marching band visual program. This will be accomplished through the use of a variety of equipment and body techniques, as are appropriate for the chosen music and competition show.

The color guard will become an instrumental ensemble at the conclusion of marching season. They will perform at regularly scheduled band concerts as well as at other events if available. As a musical organization, the students will learn basic musical terms, music notation, and interpretation, as well as correct bell technique and instrument care. Basic musicianship and performance skills will be stressed. All students will participate in the handbell groups, at a variety of ringing stations, performing music in a variety of styles from a range of time periods. Selected repertoire will reflect varying degrees of difficulty.

893 STAGECRAFT**Full Year Credit: 1.0 Grades 9-12**

Creating the set, balancing the lights, projecting video and engineering the sound all help to accentuate the script and characters in the show. Students learn the skills of stagecraft through research, critique and hands-on experience.

898 A/B MUSICAL ENGINEERING**Full Year Credit: 0.5 Grades 9-12**

Students put music theory and basic music skill into practice as they engineer sound for live and recorded production. They create, capture, edit, mix and synchronize music into audio and video tracks of various formats. Topics include acoustics, reflection, absorption of sound and reverberation. Students create products based on research of audience sensitivity and need and do so in compliance with laws related to intellectual property and competition.

886A/886B APPRENTICE CHOIR**Full Year Credit: 1.0 Grades 10-12 Fee: \$0.00****Prerequisite: Every choir student will have a placement hearing to identify voice parts.**

This is a year-long course open to any student with a love for singing that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students in the Apprentice Choir are expected to participate in approximately 5 evening performances and 3 after school rehearsals as a major part of their grade.

FOREIGN LANGUAGE**101 SPANISH I****Full Year Credit: 1.0 Grades 9-12 Fee: \$20.00****Prerequisite: None**

Spanish I stresses the study of the Spanish language with emphasis on oral expression and comprehension, grammar, syntax and an introduction to Hispanic culture(s). Written application of the language complements the development of conversational skills.

102 SPANISH II**Full Year Credit: 1.0 Grades 10-12 Fee: \$20.00****Prerequisite: Spanish I (C average or better)**

Spanish II is a continuation of Spanish I with increased emphasis on speaking, reading, writing, and comprehension skills. A more formal study of grammar is undertaken, and greater use is made of the spoken language in the classroom. **(This class may be taken for Dual Credit. Teacher recommendation required.)**

103 SPANISH III**Full Year Credit: 1.0 Grades 11-12 Fee: \$20.00****Prerequisite: Spanish II**

Spanish III offers advanced training in conversation and composition. There is a highly critical analysis of Spanish grammar, with an introduction of several new verbal structures and an initial study of the subjunctive mood. Emphasis is placed on the oral practice of grammatical structures; therefore, Spanish is spoken extensively in the classroom. Conversational ability is expanded, formal composition is introduced and literary selections (short stories) of moderate difficulty are studied. Emphasis is placed on a cultural awareness of the Fine Arts of the Hispanic world including art, music, and theatre. Dual enrollment is offered with teacher recommendation.

104 HONORS SPANISH IV

Full Year Credit: 1.0 Grade 12 Fee: \$20.00

Prerequisite: Spanish III with a "B" average in Spanish III or teacher approval.

While continuing the development of language skills, emphasis will be placed on oral comprehension and speaking skills. The students will be required to show proficiency in listening, speaking, reading and writing using relatively complex grammatical structures. Grammatical studies will include an in-depth exploration of the subjunctive, future and conditional. In the spring semester, students will read short stories, a play and/or a novel in Spanish.

WSSC BEGINNING SPANISH 1110

Semester Credit: 1.0 (3 Semester Hours)

Prerequisite: Strong Base (A) in Spanish I

Uses *Arriba* textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long high school Spanish I class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of final grade is the online workbook grade (with an average of 30 online assignments weekly), 20% online classroom exams and 10% (each) midterm and final.

WSSC INTERMEDIATE SPANISH 1130

Semester Credit: 1.0 (3 Semester Hours)

Prerequisite: None

Uses *Arriba* textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish II class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

WSSC ADVANCED SPANISH 2110

Semester Credit: 1.0 (3 Semester Hours)

Prerequisite: None

Uses *Arriba* textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish III class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

WSSC CONVERSATIONAL SPANISH 2130

Semester Credit: 1.0 (3 Semester Hours)

Prerequisite: None

Uses *Arriba* textbook with the accompanying online workbook MySpanishLab. Fast paced, rigorous and *taught in Spanish* the course includes the content of a year-long Spanish IV class in a semester, and is designed for the disciplined, hard-working/responsible student. 60% of the final grade is the online workbook grade, 20% online classroom exams and 10% (each) midterm and final.

141 CHINESE I

Full Year Credit: 1.0 Grades 9-12 Fee: No Fee

Prerequisite: None

This is an introductory course to the language and culture of China and Mandarin-speaking countries. Practice in reading, writing, speaking and listening will be covered.

142 CHINESE II

Full Year Credit: 1.0 Grades 9-12 Fee: No Fee

Prerequisite: Chinese I

This course is a continuation of Chinese I with more emphasis on written and oral communication. Additionally, more complex grammatical constructions will be introduced along with a more in depth study of the culture of China.

143 CHINESE III

Full Year **Credit: 1.0** **Grades 9-12** **Fee: No Fee**
Prerequisite: Chinese II

This course is a continuation of Chinese I and II with emphasis on a more in depth look at communication and culture. Complex grammatical constructions will be introduced.

HEALTH AND PHYSICAL EDUCATION

901 HEALTH

Semester **Credit: 0.5** **Grades 9-12**
Prerequisite: None

In health education the student is expected to develop knowledge of the human body and how it functions. The course is designed to introduce and reinforce knowledge of such topics as drug abuse, alcohol and tobacco use, infectious disease, mental illness, first aid and basic knowledge of CPR, and environmental and world health problems. Students are encouraged to research and discuss topics related to their health so as to make responsible decisions concerning their own personal health.

911 PHYSICAL EDUCATION/ADAPTIVE PE

Semester **Credit: 0.25** **Grades 9-12** **Fee: \$2.50**
Prerequisite: None

Students will need to pass a total of two semesters during their high school career of physical education. This will fulfill the state requirement for graduation. Activities will be offered providing opportunities to develop skills in lifetime recreational activities, including agility, cardio-fitness, coordination, endurance, gross motor movements, and personal strength fitness through individual, large group and team activities and sports. Students will have an opportunity to learn about devices that will enhance student awareness of their physical fitness level with the use of heart monitors, and pedometers. The class is co-educational in makeup and proper dress, regular attendance, and daily active participation are required.

917/918 PERSONALIZED PHYSICAL FITNESS

Semester **Credit: 0.50** **Grades 9-12**
Prerequisite: None

This course may serve as both an elective and to fulfill a PE credit. Strength training, flexibility, and aerobic conditioning will be incorporated into a comprehensive plan to help the student reach his/her individual fitness goals.

919/920 ATHLETIC FITNESS TRAINING

Semester **Credit: 0.5** **Grades 9-12** **Fee: TBA**
Prerequisite: None

The Athletic Fitness Training course is an extension of the MHS Athletic Department. The desired outcome of the course is knowledge and practical application of training in strength, agility, speed, power, flexibility and conditioning. The practical application of these skills should be a carry over into the student athlete's individual sport.

919 A SPORTS MEDICINE I

Semester **Credit: 0.5** **Grade 11** **Fee:**
Prerequisite: None

Educational activities concerned with the effects of sports and exercise on health and fitness and with the prevention and treatment of athletic injuries.

919 B SPORTS MEDICINE II

Semester **Credit: 0.5** **Grade 11** **Fee:**
Prerequisite: None

Educational activities concerned with the effects of sports and exercise on health and fitness and with the prevention and treatment of athletic injuries.

INDUSTRIAL TECHNOLOGY

601 DRAFTING I

Full Year **Credit: 1.0** **Grades 9-12** **Fee: \$15.00**
Prerequisite: None

Drafting I is a comprehensive introduction to the graphic language of industry and technology. The course is designed to meet the needs of beginning drafting students, introducing them to modern drafting theory and practice.

602 DRAFTING II

Full Year **Credit: 1.0** **Grades 10-12** **Fee: \$15.00**
Prerequisite: Drafting

Students enrolled in Drafting II will learn to express ideas and convey specific information by means of technical illustration as well as develop abilities to prepare working drawings, read blueprints, and draw clearly and accurately.

603 ARCHITECTURE I

Full Year **Credit: 1.0** **Grades 10-12** **Fee: \$15.00**
Prerequisite: Drafting I

Architecture I is designed as a comprehensive study of the planning and designing of a residential home. It is designed to provide an introductory experience in the complexities of the building construction industry.

605 ARCHITECTURE II

Full Year **Credit: 1.0** **Grades 11-12** **Fee: \$15.00**
Prerequisite: Architecture I

In Architecture II, students will become familiar with computer-aided drawing and design a residential house with a complete set of plans. Emphasis is placed on the individual's ideas of design which incorporate the application of good building considerations and methods.

632 HOME MAINTENANCE

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$40.00**
Prerequisite: None

Home Maintenance provides experiences in repair and maintenance of common household items and devices. This course will provide a general background of knowledge to assist the "do-it-yourselfer."

633 CADD A

Semester **Credit: 0.5** **Grades 10-12** **Fee: \$12.00**
Prerequisite: Drafting I

In this semester class students will apply principles of drafting and architecture using modern technology. An introduction of the CADD system will be followed by application of drawings from a variety of realistic objects.

634 CADD B

Semester **Credit: 0.5** **Grades 10-12** **Fee: \$12.00**
Prerequisite: CADD A

Students may continue from one semester to the second if their schedule permits or take part two of this series at a later time. CADD-B will allow students to work with the skills learned in part 1 to produce

drawings assigned as well as create some of their own to create a portfolio of work for the future. We will also cover some more advanced commands and techniques to further productivity using-Autocad.

640 INTRODUCTION TO ENGINEERING DESIGN (Project Lead The Way)

Full Year Credit: 1.0 Grades 9-12 Fee: \$30.00

Prerequisite: None

This is the first course in a four year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering prior to entering college. Introduction To Engineering Design teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design.

641 PRINCIPLES OF ENGINEERING

Full Year Credit: 1.0 Grades 10-12 Fee: \$25.00

Prerequisite: I.E.D. 640

This course is designed to help students understand the field of engineering /engineering technology. Students will explore various technology systems and manufacturing processes to better understand how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technology change.

625 STRUCTURAL ENGINEERING

Full Year Credit: 1.0 Grades 9-12 Fee: \$40.00

Prerequisite: None

Students will apply principles of engineering and design along with an understanding for the properties and uses of construction materials to buildings and structures used in agriculture, horticulture and natural resources. The course will focus on the study and utilization of wood and lumber, metals, concrete and masonry, pipes and plumbing, and electrical systems. Students will design, plan, build and calculate costs/benefits analysis for construction projects while abiding by all building code and safety regulations.

626 AG/INDUSTRIAL POWER

Full Year Credit: 1.0 Grades 9-12 Fee: \$40.00

Prerequisite: None

This course will introduce students to the breadth of the Agricultural and Industrial Power Technology pathway. Students will learn the principles of agricultural and industrial power technology equipment systems including electronic, electrical, engines, fuel, hydraulics and power trains. Additionally, students will learn to operate and maintain agricultural and industrial equipment.

627 AGRICULTURAL/ENVIRONMENTAL SYSTEMS CAPSTONE

Full Year Credit: 1.0 Grade 12 Fee: \$30.00

Prerequisite: Teacher Permission

The Capstone course is an opportunity for students to solve problems and demonstrate that they have achieved the requisite knowledge and skills in their chosen Agricultural and Environmental Systems career field pathway. The course is designed to assess cognitive, affective, and psychomotor learning and to do so in a student-centered and student-directed manner. The Capstone requires the application of learning to a project that serves as an instrument of evaluation.

628A/628B MECHANICAL PRINCIPLES

Full Year Credit: Grade Fee: \$40.00

Prerequisite:

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

622 SCROLL SAW WOODWORKING

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$30.00**

Prerequisite:

Class cap of 12 students per semester due to only having 8 scroll saws.

Any MHS student who is interested in learning the skill of scroll sawing should consider this course. Students will learn saw safety, select patterns, cut the shapes from a variety of wood species, and consider placement/display of these projects. Examples include favorite team logos, name plaques, military symbols and self-created patterns. You can google scroll saw project ideas to see samples of what can be created.

623 WOOD METAL FABRICATION I & II

Semester **Credit: 0.5** **Grades 9-12** **Fee: \$40.00**

Prerequisite:

Students will have a variety of areas of study to select from including cabinet making, carpentry and other advanced areas. During the course, students will continue to build on their knowledge in planning a project, selection and use of materials, including tools and machines to produce a finished project. Emphasis will be on safety and quality workmanship.

MATHEMATICS**220 CONSUMER ALGEBRA**

Full Year **Credit: 1.0** **Grades 11-12**

Prerequisite: Algebra II

This course is designed to teach high school level content and extends the understanding of mathematics drawn from topics such as algebra, geometry, data analysis, probability and discrete math with an emphasis on application.

228 ALGEBRA I

Full Year **Credit: 1.0** **Grades 9 – 12**

Prerequisite: None

This course is designed for the vocational track student who plans to attend a two year technical college. Topics include variables in open sentences, number properties, linear and quadratic equations and inequalities, problem solving, radicals and factoring. Topics of this course are similar to those of Algebra I CP, but are not presented in as much depth. Students successfully completing this course may enroll in a geometry course in the future.

222 GEOMETRY

Full Year **Credit: 1.0** **Grades 9-12**

Prerequisite: Algebra or Algebra I CP

This course is designed for the vocational track student who plans to attend a two-year college. This course includes the study of relations, properties, transformations and measurements of solids, surfaces, lines and angles. Right triangle relationships, geometric constructions and problem-solving strategies will also be explored. Topics covered are similar to those in Geometry, with less emphasis on proof writing. Students successfully completing this course may enroll in an Algebra II course in the future.

227 ALGEBRA II

Full Year **Credit: 1.0** **Grades 10-12**

Prerequisite: Geometry or Geometry I CP

This course is designed for the student planning on attending a two-year community or technical college. The coursework includes the study of one and two variable equations, inequalities, factoring, linear and quadratic functions, conic sections, matrices, radicals, and logarithmic functions. Topics covered are similar to those in Algebra II CP, but at a different depth and pace. This course is intended to be the third course in a four-year math technical track sequence.

229 ALGEBRA I COLLEGE PREP**Full Year Credit: 1.0 Grades 9-12****Prerequisite: None**

This course is designed for the student who plans to attend a four-year college or university. Topics studied include variables and open sentences, properties of numbers and their use in problem solving, linear equations and inequalities, special products and factoring, sentences in two variables, functions, and quadratic equations

230 GEOMETRY COLLEGE PREP**Full Year Credit: 1.0 Grades 9-12****Prerequisite: Algebra I CP**

This course is the study of relations, properties, transformations and measurements of solids, surfaces, lines and angles. The processes of deductive reasoning, various techniques of proof writing, right-triangle relationships, geometric constructions and various problem-solving strategies will be explored. The course applies methods learned in Algebra I. The student will experience non-traditional problem-solving activities which are designed to enable the student to examine the relationship of geometry to other branches of mathematics and the real world.

235 HONORS GEOMETRY**Full Year Credit: 1.0 Grades 9-12****Prerequisite: Algebra I CP**

This is an accelerated course designed for the serious student who is willing and able to cover the concepts of geometry at a much faster rate and in much greater depth than regular geometry. Topics covered include relations, properties, transformations and measurements of solids, surfaces, lines and angles. The processes of inductive and deductive reasoning, various techniques of proof writing, right triangle relationships, geometric constructions and various problem-solving strategies will also be explored.

237 ALGEBRA II COLLEGE PREP**Full Year Credit: 1.0 Grades 10-12****Fee: Each student should have a graphing calculator.****Prerequisite: Geometry CP**

This course is designed for the student who is interested in attending a four-year college or has plans for a career in a math or science-related field. The course includes the study of open sentences in one or two variables, factoring, linear and quadratic equations, linear and quadratic functions, the complex number system, conic sections, exponential and logarithmic functions, as well as sequences and series. A student successful at this level may register for Pre-Calculus.

239 HONORS ALGEBRA II/TRIGONOMETRY**Full Year Credit: 1.0 Grades 10-12 Fee: Students need graphing calculators****Prerequisite: Honors Geometry**

This is an accelerated class designed for the student who is extremely interested in Mathematics. The course includes the study of open sentences in one or two variables, factoring, linear, quadratic and polynomial equations, the complex number system, conic sections, exponential and logarithmic functions, sequences and series, triangular trigonometric functions, circular trigonometric functions, trigonometric identities, as well as trigonometry applications. A student successful at this level should register for Pre-Calculus or Honors Pre-Calculus.

244 HONORS PRE-CALCULUS**Full Year Credit: 1.0 Grades 11-12****Fee: Each student should have a graphing calculator.****Prerequisite: Honors Algebra II.**

This course will prepare the student to begin calculus in college or as a senior in high school. Topics include: the algebra of real and complex numbers, logic for proof writing, algebra of vectors, conic sections, and elementary probability. Functions studied are polynomial, exponential, logarithmic, and trigonometric. Inverse relations and applications of the above functions will be studied along with limits of sequences and functions differentiation.

245 HONORS CALCULUS**Full Year Credit: 1.0 Grades 11-12****Fee: Each student is to have a graphing calculator.****Prerequisite: Honors Pre-Calculus or Pre-Calculus; completed application**

Honors Calculus is a college-level course which will prepare the student to take the (AB) Advanced Placement Exam. Students in the course will not be required to take the AP exam. Topics studied include: limits, derivatives and their applications, integration and applications and introduction to differential equations.

246 AP CALCULUS**Full Year Credit: 1.0 Grades 11-12 Fee: \$100.00 (includes AP test)****Prerequisite: Honors Pre-Calculus or Pre-Calculus; completed application**

AP Calculus AB is a college level course, which prepares students for the AP exam. Emphasis is placed on theoretical aspects of the calculus of functions of a single variable. Topics include limits, polynomial and transcendental functions, the derivative and its applications, the definite integral and its applications, and the techniques of integration. Students benefit from spending more time on these topics than would be allotted in most calculus courses taken in college.

MC MATH 123 PRACTICAL STATISTICS**Semester Credit: 3 Hours****Prerequisite: None**

Students will become more knowledgeable consumers of statistical analysis. This course gives intuitive rather than rigorous discussion of statistical techniques and reasoning. Descriptive statistics, confidence intervals, hypothesis testing, and the normal distribution will be covered.

MC MATH 125 CALCULUS**Semester Credit: 4 Hours****Prerequisite: Math 121 or passing calculus readiness test**

First of three-semester series of courses covering differential and integral calculus, vectors and vector calculus, some analytical geometry, and calculus of several variables. Includes use of computer as teaching and computational aid.

247 SENIOR MATH**Full Year Credit: 1.0 Grade 12****Prerequisite: Alg. II, Alg. II CP, Pre-Calculus.**

Senior Math is a fourth year math course designed for students who are not academically prepared for Calculus. Concepts taught include: factoring, the complex number system, radicals, trigonometry, probability, sequences and series. This course serves as an excellent transition course for students who do not intend to pursue a mathematics based degree or occupation.

WSCC MATH 2130 COLLEGE ALGEBRA**Semester Credit: 4 Hours****Prerequisite: None**

Application-based course on functions and graphs, systems of linear equations, 3x3 determinants, factoring, quadratic equations and inequalities, exponents and radicals, and logarithms.

SCIENCE**307A ENVIRONMENTAL SCIENCE (A)****Semester Credit: Grades 11-12 Fee: \$12.00****Prerequisite: Biology (Any Level) of "C" or better**

This course is designed for students to become aware of the environment, both local and global. Time will be spent on examining the nonliving and living components of ecosystems and how those components interact.

This course will also explore humans' alteration of the environment and use of its natural resources, and some of the challenges humans face in sustaining life for future generations. Topics include understanding ecosystems, air and water pollution, endangered species, recycling, human impact on natural resources, and land-use planning.

307B ENVIRONMENTAL SCIENCE (B)

Semester **Credit:** **Grades 11-12** **Fee: \$12.00**

Prerequisite: Biology (Any Level) of "C" or better

This course is designed for students to become aware of the environment, both local and global. Time will be spent on examining the nonliving and living components of ecosystems and how those components interact. This course will also explore humans' alteration of the environment and use of its natural resources, and some of the challenges humans face in sustaining life for future generations. Topics include understanding ecosystems, air and water pollution, endangered species, recycling, human impact on natural resources, and land-use planning.

336A/336B ASTRONOMY

Full Year **Credit: 1.0** **Grades 11-12** **Fee: \$10.00**

Prerequisite: Completed or Currently enrolled in either Physics/AP Physics

Astronomy is a yearlong elective science course that will focus on different aspects of the study of the solar system, stars, galaxies and the universe. An emphasis will be placed on the physics principles involved in the study of our universe. Students must have completed Physics or AP Physics, or be concurrently enrolled in Physics or AP Physics.

322 BIOLOGY

Full Year **Credit: 1.0** **Grades 9-12** **Fee: \$10.00**

Prerequisite: Earth/Physical Science or teacher recommendation

This course is for the college bound student. The curriculum will follow the Ohio Academic Content Standards for 10th grade science. Principles of earth science and life science will be included. Emphasis will also be placed on science and technology, scientific inquiry, and scientific ways of knowing.

323 CHEMISTRY

Full Year **Credit: 1.0** **Grades 10-12** **Fee: \$33.00**

Prerequisite: A grade of "C" or higher in CP Algebra I, Biology and passing the science and math sections of the OGT if taken, or teacher recommendation.

This is a traditional chemistry class that has a strong emphasis on laboratory activities. Topics covered should include atomic structure, the periodic table, molecular and ionic compounds, chemical reactions, states of matter, solution chemistry and acids and bases.

A successful student should have a strong work ethic and be competent in math skills. Although this course is not as competitive or goes into the subject matter as deeply as in Honors Chemistry, a student who is successful in this course should be prepared for additional chemistry courses in college.

324 PHYSICS

Full Year **Credit: 1.0** **Grades 11-12** **Fee: \$10.00**

Prerequisite: Chemistry/Honors Chemistry, Geometry and enrolled in Algebra II or higher math, or teacher permission.

Physics is intended to be a survey of the very basic concepts of classical physics. The major topics to be covered include the following: measurement and the metric system, speed, acceleration, force, weight, vectors, momentum, projectile motion, gravitation, work, power, energy, waves, the nature of light, reflection, refraction, mirrors, lenses and diffraction. If time permits, the following topics may be briefly examined: static electricity, series and parallel circuits, and magnetism and relativity.

325 EARTH/PHYSICAL SCIENCE

Full Year**Credit: 1.0****Grade: 9****Fee:****\$16.00****Prerequisite: None**

This course is for the college bound student. The curriculum will follow the Ohio Academic Content Standards for 9th grade science. Principles of earth and space science, physical science, and chemistry will be included. Emphasis will also be placed on science and technology, scientific inquiry, and scientific ways of knowing.

330 AP BIOLOGY

NOTE: THIS COURSE IS A DOUBLE PERIOD

Full Year**Credit: 2.0****Grades 11-12****Fee: \$135 (includes AP test)**

Prerequisite: Biology (Honors recommended) and Chemistry/Honors Chemistry and completed application.

This course is designed to provide an in-depth study of some of the major concepts of biology. These concepts include, but are not necessarily limited to: cellular function, biochemistry, cellular energy exchanges, protein synthesis, genetics, evolution, population dynamics, animal biology and physiology, and plant biology and physiology. Other topics may be included as class interest and time permit.

Teaching methods include extensive textbook readings as well as lectures, discussions, and laboratory experiences. Students electing this course should be highly motivated and willing to move at a fast rate. Evaluation is based upon quizzes, tests, lab reports, and papers. A college level text and lab book will be used in this course. **SUMMER READING AND STUDY ARE REQUIRED.** When a student reaches the score designated by a college or university, that college or university may give college credit for taking an AP Examination.

331 HONORS BIOLOGY**Full Year****Credit: 1.0****Grades 9-12****Fee: \$10.50**

Prerequisite: Earth/Physical Science; Teacher recommendation and completed application.

This course is for the college bound student who is interested in a science related career. The curriculum will follow the Ohio Academic Content Standards for 10th grade science. Principles of earth science and life science will be included. Emphasis will also be placed on science and technology, scientific inquiry, and scientific ways of knowing. This course will be rigorous and will challenge the student beyond the regular biology curriculum.

332 HONORS CHEMISTRY**Full Year****Credit: 1.0****Grades 10-12****Fee: \$36.00**

Prerequisite: A grade of "C" or better in CP Algebra I, Honors Biology, Biology and completed application

Honors Chemistry is an intensive laboratory course for the science-math oriented student. Instruction makes use of the discovery method, which lends itself effectively to the teaching of the scientific method. Basic principles of chemistry are emphasized throughout with traditional, descriptive chemistry minimized. Students who want the most challenge and desire to cover the most topics should take this course. This course will best prepare students for additional chemistry at the college level.

334 AP PHYSICS I**Full Year****Credit: 1.0****Grades 11-12****Fee: \$130 (includes AP test)**

Prerequisite: Chemistry/Honors Chemistry, Geometry and enrolled in Algebra II or higher math, and teacher recommendation.

AP Physics I is the equivalent to a first semester college course in algebras-based physics. The course covers Newtonian mechanics including rotational dynamics and angular momentum, work, energy, and power; and mechanical waves and sound. The course will also introduce electric circuits. Teaching methods include extensive textbook reading, as well as lectures, discussions, and laboratory experiences. Students selecting this course should be highly motivated and willing to move at a fast pace. Evaluation will be based on quizzes, lab reports, tests and papers. A college level textbook will be used in this course. When a student reaches a score designated by a college or university, that college or university may award credit for taking the AP Exam. Taking the AP Exam is a requirement of the course.

328 ANATOMY/PHYSIOLOGY I

Semester **Credit: 0.5** **Grades 10-12** **Fee: \$30.00**

Prerequisite: Biology (C average)

This course centers on the study of Anatomy and how the human body works. The Physiology portion of the class focuses on a more complete understanding of the basic principles of one's own body and its functions. Those students interested in a profession such as nursing, physical therapy, physical education, pharmacy and public health are introduced to the concepts upon which further study may lead to a life's vocation.

329 ANATOMY/PHYSIOLOGY II

Semester **Credit: 0.5** **Grades 10-12** **Fee: \$30.00**

Prerequisite: Anatomy/Physiology 1 (C average)

This course is a more in depth study of the information presented in Anatomy/Physiology I and also introduces additional subject matter.

WSSC GENERAL BIOLOGY I

Full Year **Credit: 1.0** **Cost: \$120**

Prerequisite: Biology and Chemistry with a "C" or better

An introductory course for biology majors covering reproduction of cells, their structure and function, classical and molecular genetics and evolution. It has an emphasis on the evolution of animal and plant life, including systematic, phylogeny, organ systems, anatomy, physiology and behavior. The course emphasizes comparative strategies within the animal and plant kingdom.

WSSC ANATOMY AND PHYSIOLOGY I (with Lab)

Semester **Credit: 1.0** **Cost: \$30**

Prerequisite: Biology with a "C" or better

This course is the first of a two-term sequence designed to facilitate an understanding of the structural and functional units of the human body. Formal classroom activities are integrated in a comprehensive study of the cells, tissues and organs of the body, with emphasis on the integumentary, skeletal, muscular, nervous, endocrine, and reproductive systems, two class hours per week.

WSSC ANATOMY AND PHYSIOLOGY II (with Lab)

Semester **Credit: 1.0** **Cost: \$30**

Prerequisite: Anatomy and Physiology I

The second course in a two-term sequence designed to facilitate understanding of the structure and function of the human body. Formal classroom activities are integrated in a comprehensive study of the nervous system, special senses, blood, circulatory, lymphatic, respiratory, digestive, and renal systems.

WSSC PHYS 1010 APPLIED PHYSICS

Semester **Credit: 1.0 (3 Semester Hours)** **Cost: \$10**

Introduction to the principles combined with its applications in industry today. Covers the broad fields of mechanics, heat, light, sound. Specific topics include atomic structure, flow of fluids, work, energy, simple machines, thermal expansion & gas laws. High school physics is not required.

WSSC PHYS 1100 Principles of Physical Science I

Semester **Credit: 1.0 (3 Semester Hours)** **Cost: \$10**

Covers basic principles and concepts of astronomy and physics. For non-science majors. Prerequisite: high school science. Prerequisite: High school science or equivalent

SOCIAL STUDIES

401 WORLD STUDIES

Semester **Credit: 0.5** **Grades 9**

Prerequisite: None

This course is a survey of modern world history from the Enlightenment to the present with a focus on political and economic systems.

406 FINANCIAL LITERACY

Semester **Credit: 0.5** **Grades 9**

Prerequisite: None

This course will allow students to read, analyze, manage and communicate about personal financial conditions that affect one's material well being. It includes the ability to discern financial choices, discuss money and financial issues without (or despite) discomfort, plan for the future and respond completely to life events that affect everyday financial decisions, including events in the general economy.

421 PSYCHOLOGY

Semester **Credit: 0.5** **Grades 11-12**

Prerequisite: None

Psychology is the study of human behavior. The student will discover what psychologists have learned about why people do what they do. At the same time, students will make some discoveries about their own life and behavior. Behavior (normal and abnormal), perception, intelligence, emotions, and personality development are included in the topics covered. In-class group activities and experiments are used as well as audio-visual aids.

424 SOCIOLOGY

Semester **Credit: 0.5** **Grades 11-12**

Prerequisite: None

Sociology helps to develop an understanding of our society. It examines group interaction, community organization, the nature of our population and social institutions. Students will study contemporary social issues and gain appreciation for the social diversity in our complex social world.

431 AMERICAN HISTORY

Full Year **Credit: 1.0** **Grades 9-12**

Prerequisite: None

This is a survey of the political, social, and economic history of the United States. Its emphasis is from the post-Reconstruction Era to the New Deal Era. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

434 HONORS AMERICAN HISTORY

Full Year **Credit: 1.0** **Grades 9-12**

Prerequisite: None

Honors American History (A) is designed as a survey course beginning with post-Reconstruction America and continuing to the New Deal. This course provides students with a framework for studying political, social, economic and cultural issues and for analyzing the impact these issues have had on society. As an honors course, students should expect a rigorous content level and pace. This course demands greater independence and responsibility.

441 AMERICAN GOVERNMENT**Full Year Credit: 1.0 Grade 12****Prerequisite: None**

American Government is a study of the political and economic system of the United States, including local, state, and national levels, elections, political parties, political thought, finance, and the problems and issues faced by modern society.

WSSC HIST 2110 AMERICAN HISTORY TO 1865**Semester Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Political, diplomatic, social, and economic developments of America from 1607 to 1865: Topics include Colonial America, founding of a new nation, the early national period, Jacksonian Democracy, territorial expansion, sectionalism & controversy and the Civil War.

WSSC HIST 2110 AMERICAN HISTORY 1865 TO PRESENT**Semester Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Political, diplomatic, social, and economic development of America 1865 to Present. Topics include Reconstruction, the Industrial Revolution, the progressive movement, World Wars I and II, prosperity and depression, and problems of the Cold War era.

WSSC POLS 1020 AMERICAN NATIONAL GOVERNMENT**Semester Credit: 1.0 (3 Semester Hours)****Prerequisite: American History (Freshmen and Sophomore)**

Survey of all aspects of our democratic system; emphasis on the Constitution, the three branches of government, civil rights and liberties, and foreign policy.

ADDITIONAL PROGRAMS**081 SCHOOL PUBLICATIONS/YEARBOOK****Full Year Credit: 1.0 Grades 9-12****Prerequisite: completed application and instructor permission**

Students will learn all the facets of designing and producing the MHS-ORIAN. Enrollment in this class requires the yearbook staff to sell ADS to help defray the cost of the yearbook. Basic computer skills are necessary for using the on-line tools. Application forms must be received during spring registration. The ORIAN is created by the students under the direction of a student editor and supervised by the faculty advisor/instructor.

704 GUIDED STUDY**Semester Credit: Adm. Rev. Grades 9-12****Prerequisite: None**

This course is designed to help students become more engaged in their learning by being better time managers and studying more efficiently. Additionally, test taking skills and homework organization will be stressed. Credit recovery may also be an option.

FOUNDATIONS OF FIREFIGHTING AND EMERGENCY MEDICAL SERVICES**Full Year Credit: 1.0 Grades 9-12 Fee: \$20****Prerequisite: None**

This course is designed to introduce students to the foundational concepts of firefighting safety and emergency medical services. Students will analyze and practice skills outlined in the Ohio Department of Public Safety Fire protection and Ohio Emergency Medical Services rules and regulations in preparation for Firefighter I & II curriculum and EMT licensure.

LAW AND PUBLIC SAFETY CAPSTONE**Full Year Credit: 1.0 Grades 11-12****Prerequisite: None**

This course is designed to provide opportunities for students to apply knowledge, attitudes and skills that were learned in Law and Public Safety in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

EDUCATIONAL OPTIONS (Flex Credit)

Semester/Full year

Credit – Adm. Rev.

Grades 9-12

Prerequisite: None

Students may sign up for an Educational Options/Flex Credit class when a course they would like to choose is not offered at Marietta High School or when schedule conflicts will not allow that student to take a course. For more information, see your guidance counselor.

Note: Students must have all academically related financial obligations resolved before he/she can be cleared for graduation.

