

TABLE OF CONTENTS

GRADUATION REQUIREMENTS	2
MICHIGAN MERIT CURRICULUM	2 -3
COLLEGE BOUND SUGGESTIONS	3
DUAL ENROLLMENT	3 - 5
NCAA ATHLETIC ELIGIBILITY	5 - 6
ENGLISH DEPARTMENT	6 - 8
MATH DEPARTMENT	8 - 10
SCIENCE DEPARTMENT	10 - 12
SOCIAL STUDIES DEPARTMENT	12 - 13
PHYSICAL AND HEALTH EDUCATION	13 - 14
WORLD LANGUAGE DEPARTMENT	14 - 15
INDUSTRIAL TECHNOLOGY DEPARTMENT	15- 16
VISUAL, PERFORMING AND APPLIED ARTS DEPARTMENT	16 - 17
SPECIALIZED AREAS OF STUDY	17-18
CAREER TECHNICAL EDUCATION	18
ONLINE/BLENDED LEARNING PROGRAM	19
PERSONAL CURRICULUM	19

GENERAL INFORMATION

All classes signed up for are firm commitments for the year. This is especially true of yearlong classes. Students will not be permitted to drop a yearlong class at the semester break unless there are extenuating circumstances.

In general, schedule changes are not allowed. Exceptions may occur when:

1. The Student and parent desire to take a class at the next level within the same subject area.
2. The schedule of classes contains a scheduling conflict or a student has taken additional work in summer school

GENERAL OVERVIEW

This guide contains brief descriptions of courses offered at Mason Senior High School. All courses are aligned to the Common Core State Standards, High School Content Expectations, the Michigan Curriculum Framework, or course content expectations as appropriate.

GRADUATION REQUIREMENTS

At Mason Senior High School, a student will normally complete graduation requirements in four years. However, some students do not finish in four years and may need additional time or alternative placement, or both, to finish all requirements. In order to receive a diploma and graduate, a student will need to meet the school requirements for basic coursework, and Merit graduation requirements designated to them as a first time ninth-grader.

ENGLISH LANGUAGE ARTS – 4 Credits

- 1 credit English 9
- 1 credit English 10
- 1 credit English 11
- 1 credit English 12

MATHEMATICS – 4 Credits

- 1 credit Geometry
- 1 credit Algebra I
- 1 credit Algebra II
- 1 credit math or math-related course to be completed in senior year

SCIENCE – 3 Credits

- 1 credit Biology I
- 1 credit Chemistry (beginning with class 2025)
- Additional department approved credit in Science

SOCIAL SCIENCES – 3 Credits

- .5 Civics
- .5 Economics
- 1 credit US History and Geography
- 1 credit World History and Geography

VISUAL, PERFORMING, AND APPLIED ARTS – 1 Credit

- Proficiency in State Content Standards for Visual, Performing, and Applied Arts

WORLD LANGUAGE – 2 Credits

- Formal coursework or an equivalent learning experience in Grades K-12 (2 credits); or
- Formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a Department approved formal Career and Technical Education program or an additional visual, performing, and applied arts credit (1 credit).

HEALTH AND PHYSICAL EDUCATION

- .5 credit of Physical Education
- .5 credit of Health Education

✓ All high school students must also participate in an online course or learning experience (can be one of the above-listed, required credits; earned in grades 9-12 or through an equivalent learning experience K-12

✓ Take the Michigan Merit Examinations (MME) as established by the MDE and/or state law

✓ This is the traditional course sequence suggested by the individual departments. In some instances, with administrator approval, students may choose an alternative sequence of courses to satisfy graduation requirements

MICHIGAN MERIT CURRICULUM NOTES

Math: The Michigan Merit Curriculum stipulates that all high school students must be enrolled in a math or math-related course in their senior year. The sequence is: Algebra I, Geometry, and Algebra II in any order followed by a fourth year math or math-related course. For the purpose of the 4th year of math, the following courses all count: All Math courses, Applied Math (Construction Trades), other CTE course work, or approved Edgenuity courses.

Visual/Performing Arts: The Michigan Merit Curriculum stipulates that all high school students must earn credit in a visual or performing arts class. Classes that count: Band; Choir; Industrial Arts courses; Art courses; and Yearbook.

COLLEGE BOUND SUGGESTIONS

Students should concentrate on career exploration during their freshman and sophomore years in high school. Early planning will enable them to concentrate on their college choice during the last two years in high school.

During their **junior** year students will continue their career exploration and concentrate on their college choice. Students will be able to attend the evening "College Night" presentation at MCCC and take the PSAT/NMSQT test during the fall.

Some college programs close early and should be applied for at the very beginning of the senior year. This applies particularly to the health field programs. Students should check the college catalogs so that they are aware of various college opportunities and early deadlines.

Students should apply to the colleges of their choice during the fall of their **senior** year. It is suggested that students apply to more than one college so that they may compare programs and financial aid at the various colleges. Most Michigan colleges send representatives to Mason Senior High School to talk to prospective students.

Seniors will have a second chance to attend "College Night" at a local college if they have any remaining questions concerning their college choice. In October, the counselors will host a "Financial Aid Night" presentation to give parents an overview of financial aid.

The Michigan Competitive Scholarship, State of Michigan Tuition Grant Program or Pell Grant Program (Federal); these forms will establish a "need factor" for each student - a figure which will be used by most scholarship agencies and colleges to determine how much financial aid is available to the student.

The majority of financial aid for students will come from the state government, federal government and the various colleges. Each student will have an equal opportunity to apply for this type of aid. The Mason Senior

High School counselor will be able to guide students to the various funds available locally. We highly encourage students to ask questions of their counselors at any time during the college process.

DUAL ENROLLMENT

Fall and Winter/1 Credit per course - Grades 9 - 12

Prerequisite: Counselor/Principal Approval

Mason Senior High School Dual Enrollment Program allows school districts to partner with eligible post-secondary institutions and colleges to offer high school students the chance to earn college credit while completing their high school requirements.

A. ELIGIBILITY CRITERIA

Public Act 160 of 1996 and Public Act 258 of 2000 created the Postsecondary Enrollment Options Act, commonly referred to as dual enrollment. This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities. The following are some of the eligibility guidelines for various post-secondary partners:

1. Students enrolled at Mason Senior High School in grades 9 through 12 may enroll in a post-secondary program providing s/he meets the requirements established by law and by the District. Any interested student should contact the counseling department to obtain the necessary information.
2. Admission to the college is based upon criteria set for by the college or university.
3. Students must have taken and received scores for one of the following assessments: EXPLORE, PLAN, ACT, COMPASS, MME, PSAT, SAT or ACCUPLACER. Eligibility may be based on a combination of scores from two or more of the mentioned tests.
4. The dual enrollment class must be part of his/her regular schedule (i.e. 1 dual enrollment class and 4 high school classes).
5. Students who attempt college credit only will not be required to include the attempted college credit as part of the high school graduation requirement.
6. Students must be enrolled in both the eligible school and eligible postsecondary institution during the local school's regular academic year and must be enrolled in at least one high school course.
7. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.
8. Students must understand the total cost of dual enrollment on the District's part may not exceed the prorated foundation dollar amount from the State of Michigan. The student/parent/guardian must pay the difference if the cost is more than the state's prorated foundation allowance for the pupil's attendance at Mason.
9. In the event the pupil **fails** to complete a course, MCL 388.514(9) and MCL 388.1904(9) states that the eligible pupil shall repay to the school district any funds that were expended by the school district for the course that are not refunded to the school district by the eligible postsecondary institution. If the eligible pupil does not repay this money, the school district may impose sanctions against the eligible pupil as determined by school district policy.

In addition, students must reimburse the District for all expenses in the case of **dropping** or **withdrawing** from a course. If you apply and are accepted for dual enrollment, but then do not want to participate, you must formally withdraw from the program by notifying both community college

and Mason Senior High School. Anyone who withdraws from or fails a dual enrollment course will be required to reimburse Mason Consolidated Schools. In other words, if you withdraw from the community college or fail the course and are not eligible for any reimbursement from the college, you are responsible to pay back to the district any fees the district incurred from your enrollment into the dual enrollment course. If the student withdraws from community college during the first two weeks of the course, he/she will be placed into a class at Mason Senior High School. If the student withdraws from the college two weeks or more after the beginning of the course, he/she will carry the current grade awarded from the community college.

10. **Students who wish to be dual enrolled in the first term must have all paperwork completed by the end of May. Those students who dual enroll in the Fall MUST also dual enroll in the winter.**

For additional curriculum/instruction information, see also: www.mde.gov and **Michigan Merit Curriculum Course/ Credit Content Expectations** www.mi.gov/highschool

STEPS FOR DUAL ENROLLMENT:

- Discuss the classes you are considering taking with your counselor and check with the college to make sure the class will transfer.
- You may need to go to the college and take the Accuplacer Test (information on this can be picked up in the counseling office).
- Complete a Dual Enrollment Form (found in the counseling office) and have your counselor and principal sign it.
- Complete a signed parent letter for Public Act 160 and Public Act 258.
- Take the signed form to Mrs. Spicer in the high school counseling office.

NCAA ATHLETIC ELIGIBILITY

To be certified by the **NCAA Clearinghouse**, you must:

1. See the Athletic Director as early as possible in your high school career for NCAA eligibility and information.
2. *Graduate from high school.* You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Clearinghouse will issue a preliminary certification report when you have had all your materials submitted. After you graduate, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards.
3. See the Athletic Director for core grade-point average/ACT/SAT test score index. See the website for any questions – www.ncaaclearinghouse.net.

CORE-COURSE REQUIREMENT FOR NCAA CERTIFICATION – DIVISION I

If you enrolled in a Division I college and want to participate in athletics or receive an athletics scholarship during your first year, you must;

- Complete 16 core courses in the following areas:
 - ✓ ENGLISH – 4 years
 - ✓ MATH (Algebra 1 or higher) – 3 years
 - ✓ NATURAL/PHYSICAL SCIENCE (One year of lab, if offered) – 2 years
 - ✓ ADDITIONAL ENGLISH, MATH OR NATURAL/PHYSICAL SCIENCE – 1 year
 - ✓ SOCIAL SCIENCE – 2 years
 - ✓ ADDITIONAL COURSES (Any area listed above, foreign language or comparative religion/philosophy) – 4 years
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale.
- Graduate from high school.

Course Descriptions

ENGLISH DEPARTMENT

The goal of the English Language Arts program at Mason Senior High School is to help students build a solid foundation of knowledge, skills, and strategies to use for listening, speaking, analyzing literature and all forms of text and for preparing and publishing written material. Students will gain these skills through the study of American and World literature, non-fiction reading, and process writing.

The English department follows the state mandates, the Common Core State Standards. The freshmen year focuses on both literature and composition. Through the lens of inter-relationships and self-reliance, the students will consider how they build relationships, how their relationships impact others, and their responsibility to society.

The English department may also offer various electives, primarily for juniors and seniors, based on demand and year.

Course Title

ENGLISH 9

1 CR (TWO SEMESTERS) - Grade 9

Prerequisite: None (This course is a graduation requirement)

The goal for English 9 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will be introduced to the various genres of classic and contemporary narrative and informational texts that will be read and analyzed. Additionally, students will identify and improve upon the basic elements of English grammar and usage skills through guided writing assignments and daily exercises. The Freshmen level course emphasizes using appropriate diction and language and using Standard English, including spelling, punctuation, and grammar. Students will focus on the fundamentals of the writing process in a variety of ways and then apply those fundamentals to write arguments and supposed claims using valid reasoning and

relevant evidence. Ninth grade students will learn the fundamentals of public speaking through various presentations and speeches

HONORS ENGLISH 9

1 CR (TWO SEMESTERS) - Grade 9

Prerequisite: None (This course is a graduation requirement)

Honors English 9 offers the learner opportunity to practice critical thinking, the acquisition of effective, academic writing skills, and mastery of critical reading and literary analysis, identification of rhetorical strategies and the research and presentation of authentic learning products using 21st century technology. Students will produce clear and coherent writing appropriate to task, purpose, and audience using technology both independently and in collaboration with others. Students will write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content. Students will write arguments to support claims using valid reasoning and relevant evidence. Students will also learn how to apply various rhetorical devices to their own writing as they familiarize themselves with a variety of expository essay tasks. The opportunity to learn these skills will be through a variety of genres and through the analysis of works selected from authors of classical and contemporary literature. This course is reading and writing intensive, preparing students for Honors English 10 and Literature, Language, & Composition.

ENGLISH 10

1 CR (TWO SEMESTERS) - Grade 10

Prerequisite: English 9 (This course is a graduation requirement)

The goal for English Language Arts 10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts 10, students continue to add works of fiction, both classical and contemporary, to their reading list. Additionally, new narrative and informational texts will be read and analyzed. Progressing as readers, students will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action and appropriate use of power. Critical Response and Stance offers students the lens to assess and modify their beliefs, views of the world, and how they can impact society.

HONORS ENGLISH 10

1 CR (TWO SEMESTERS) - Grade 10

Prerequisite: English 9 (This course is a graduation requirement)

In Honors English 10 students will experience reading and writing at a level that will prepare them for college level English and writing courses. Students will examine a variety of literature in differing formats: articles, short stories, poems, novels, and autobiographies. Students will be expected to complete the majority of reading on their own and be prepared to discuss topics and themes with their classmates during a Socratic Seminar. Students will also write essays and response pieces similar to what they will experience in college.

ENGLISH 11

1 CR (TWO SEMESTERS) - Grade 11

Prerequisite: English 10 (This course is a graduation requirement)

The goal for English Language Arts 11 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks with a special focus on writing. Eleventh graders will connect with and respond to texts through transformational thinking. They will learn to use forward thinking to help make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for the future.

LANGUAGE/LITERATURE/COMPOSITION

1 CR (TWO SEMESTERS) - Grade 11-12

Prerequisite: English 10 (This course is a graduation requirement)

Literature, Language, and Composition Class offers the learner opportunity to refine, apply, and expand critical thinking that was acquired in earlier high school English classes. This critical thinking will be displayed through effective academic writing skills, the mastery of critical reading and literary analysis, application of rhetorical strategies, multifaceted research, and authentic learning products using 21st century technology. Students will read and analyze a variety of works from various genres from authors of classical and contemporary literature. Students will also produce clear and coherent and synthesized writing appropriate to task, purpose, and audience using technology both independently and in collaboration with others. Students will write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content. Students will write complex arguments to support claims using valid reasoning and relevant evidence. This course exhausts both the 11th and 12th grade English stands and as such is reading and writing intensive, preparing students for a college level English class.

ENGLISH 12

1 CR (TWO SEMESTERS) - Grade 11

Prerequisite: English 11 or English Comp I and II (This course is a graduation requirement)

The goal for English Language Arts 12 is to refine, apply, and extend the solid foundation of knowledge, skills, and strategies developed in English Language Arts 9-11. English Language Arts 12 students will develop world perspectives by analyzing classic and contemporary texts in a variety of genres. Twelfth graders will synthesize information, ideas, and themes to understand the past, the present, and to think innovatively about the future. They will think, discuss, and write about a variety of topics ensuring that all graduates will be able to communicate effectively.

YEARBOOK

1 VPA CR (TWO SEMESTERS) - Grade 10-12

Prerequisite: English 9 (English teacher recommendation required)

Yearbook is for the serious, dedicated student who **possesses strong English skills** and is interested in writing, graphic arts/business. The yearbook student must be willing to spend many hours beyond class time in order to meet deadlines and must have excellent attendance in order to be successful. Yearbook journalism relies heavily on the graphic arts, typography and photography. Students write and edit feature copy, headlines, and captions; design layouts; recognize quality photographs; and conduct interviews. The yearbook program is funded entirely by book sales, ad sales and fundraisers.

MATH DEPARTMENT

The Mathematics Department offers a substantive, four-year sequence of courses for students with varied learning styles and academic interests. The Mathematics Department strongly believes that all students should have the opportunity to learn mathematical concepts and skills necessary to prepare them for any post secondary experience. It is our expectation that students will reach their highest level of mathematics by utilizing critical thinking skills, engaging in exploration and discovery activities, and solving complex problems. To accomplish this, teachers will implement various learning strategies and techniques, employ technology, and evaluate student progress using multiple forms of assessment.

Freshmen are offered two levels of study, Geometry or Pre-Algebra. These courses prepares students for the sequence of courses offered in their sophomore, junior and senior years. Algebra I, which is taken during the sophomore year, provides a foundation for Algebra II, which is taken during the junior year. In the junior year, students have two choices: Algebra II or Pre-Calculus. Pre-Calculus is for students who are considering taking the Calculus course in the 12th grade and have successfully completed Geometry, Algebra I and Algebra II. Seniors also have several choices including: Financial Algebra, Math Ideas and Statistics, Pre-Calculus, or Calculus. Students taking Pre-Algebra their 9th grade year would take Algebra II as their senior Math.

Course Title

GEOMETRY

1 CR (TWO SEMESTERS) - Grades 9

Prerequisite: None (This is a graduation requirement)

Geometry builds on geometric topics developed in the middle grades with an emphasis on relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes. Expectations are to recognize, classify, and apply properties of simple geometric shapes, know and apply basic similarity and congruence theorems, understand simple constructions with a compass and straightedge, and find area and volume of basic shapes.

ALGEBRA I

1 CR (TWO SEMESTERS) – Grade 10

Prerequisite: None (This course is a graduation requirement)

Algebra I builds upon algebraic topics developed in the middle grades with an emphasis on linear patterns of change, familiarity with nonlinear patterns such as exponential and quadratic. It is expected that students entering Algebra I are able to recognize and solve mathematical and real-world problems involving linear relationships, move fluently among and make sense of graphic, numeric, symbolic, and verbal representations of these patterns, and be able to apply this knowledge to linear and other functions.

ALGEBRA II

1 CR (TWO SEMESTERS) - Grades 9-10

Prerequisite: Algebra I (This course is a graduation requirement)

Algebra II builds upon concepts learned in Algebra I while adding new concepts in mathematics. Algebra II continues the study of exponential and logarithmic functions and expands on families of functions to include

rational and trigonometric functions. Algebra II will extend the numeric and logarithmic ideas of accuracy, error, sequences, iteration, and will utilize conic sections to fuse algebra and geometry. Students will extend their knowledge of univariate and bivariate statistical applications.

PRE-CALCULUS

1 CR (TWO SEMESTERS) – Grades 11-12

Prerequisite: Algebra II and Geometry

Pre-calculus focuses on the preparation for calculus. Students study topics, concepts, and procedures of pre-calculus, which deepens their understanding of algebra and extends their ability to apply algebraic concepts and procedures at higher conceptual levels, as a tool, and in the study of other subjects. The theory and applications of trigonometry and functions are developed in depth. Pre-Calculus introduces mathematical tools such as vectors, matrices, and polar coordinates, while modeling and solving real-world problems.

CALCULUS

1 CR (TWO SEMESTERS) – Grade 12

Prerequisite: Pre-Calculus and Teacher Approval

Calculus is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Through the use of the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics.

FINANCIAL ALGEBRA

1 CR (TWO SEMESTERS) – Grade 12

Prerequisite: Algebra II and Geometry

Financial Algebra studies mathematical concepts utilized in routine everyday business and home life. Emphasis on interest rates, taxes, compound interest, various balancing of checking and accounting books, retirement preparation, and understanding the stock market to ensure students maintain their livelihood and succeed as adults and create smart business decisions.

MATH IDEAS AND STATISTICS

1 CR (TWO SEMESTERS) – Grade 12

Prerequisite: Algebra II

During the first semester, students will study logic, historical numeration systems, counting problems, probability, and voting apportionment. During the second semester, students will study statistics and use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs. Students will also test hypotheses.

SCIENCE DEPARTMENT

Course Title

BIOLOGY I

1 CR (TWO SEMESTERS) – Grade 9 (This course is a graduation requirement)

Biology I is a required course for all sophomores. The biology student will examine living organisms and their relationships with each other and their environment as observed in populations, communities and ecosystems. Traditional biology topics such as cells, reproduction / development, heredity and taxonomy will also be a significant part of the course of study. Students will participate in a variety of lab-based activities including field studies, dissection and general laboratory work.

CHEMISTRY

1 CR (TWO SEMESTERS) – Grades 10-12 (This course is a graduation requirement beginning class of 2025)

***Prerequisite:* Biology 1**

Topics include atomic structure, formation of compounds, chemical reactions, and stoichiometry. By the end of the course, students will have the mathematical and scientific knowledge required to make a specified quantity of a chemical compound. This course is designed to prepare students for required college science courses. Success in this course may also allow students to opt out of a college's general chemistry requirement.

HONORS CHEMISTRY

1 CR (TWO SEMESTERS) - Grade 10-12

***Prerequisite:* Biology I**

Honors Chemistry will utilize a similar curriculum as the Chemistry course, but will move at a faster pace, cover more material, and will include more inquiry and engaging lab activities. The course teaches mathematical solutions to various chemical problems, and the use of data from experiments. This course is especially important for students planning on attending college in a scientific or health-related field of study

HUMAN ANATOMY

1 CR (TWO SEMESTERS) – Grades 11-12

***Prerequisite:* Biology I**

This course is offered based on demand.

Human Anatomy is an advanced level course within the science program. The course deals with the detailed study of the human body, its systems together with their structure and function. Numerous investigations, plus a vertebrate dissection, are included in the lab activities of the course.

PHYSICS

1 CR (TWO SEMESTERS) – Grades 11-12

***Prerequisite:* Biology 1**

Physics covers basic kinematics, vectors, force, gravity, Newton's Laws, energy, work, power, thermal energy and fluids. Students learn through projects like rollercoasters, solar cars and boats, rockets and cardboard boats.

FORENSIC SCIENCE

1 CR (TWO SEMESTERS) – Grades 10-12

Prerequisite: Biology I (A third science course is a graduation requirement)

In this course, students learn the scientific techniques used to help solve crimes. Topics include fingerprint analysis, blood spatter analysis, forensic anthropology (study of bones), forensic entomology (study of bugs), and DNA fingerprinting. The class culminates with the students using their knowledge to solve a large-scale mock crime.

ASTRONOMY

1 CR (TWO SEMESTERS) – Grades 10-12

Prerequisite: Biology I

This course is offered every other year based on demand. Next offering 2022-2023.

Astronomy is an introduction to astronomy, including history, space travel, the nature of light, and planetary science. Students will learn the night sky complete with the mythology of the constellations. Students will present three programs to the elementary students as part of this class.

SOCIAL STUDIES DEPARTMENT

The Social Studies curriculum is designed to help all students gain knowledge and a basic understanding of man and more importantly – man the social animal, both past and present. Students will acquire the skills needed to form values and attitudes that can be translated into effective and responsible social behavior.

Course Title

CIVICS & ECONOMICS

1 CR (TWO SEMESTERS) – Grade 11

Prerequisite: World History, U.S. History (This course is a graduation requirement)

Civics covers the American government from the colonial period through our current government. The course discusses the basic principles of democracy embedded in the constitution as applied to everyday living in the United States. Additionally, Civics breaks down the three branches of government and explores the fundamentals of Federalism.

Economics covers the fundamental principles of capitalism and how a mixed economy functions in the U.S. It will explore individual and world relationships, and examine how fiscal and monetary policy affects GDP, inflation, unemployment, and prices.

US HISTORY/GEOGRAPHY

1 CR (TWO SEMESTERS) – Grade 10

Prerequisite: World History (This course is a graduation requirement)

United States History will be an integrated approach to learning within the discipline of history in which students will incorporate geography, civics, economics, inquiry, and decision-making. Additional elements of the course will add the dimensions of current events and persuasive civic writing as they relate to the context of U.S. History. The course will focus on the purpose of history, America's Founding Ideals, an overview of U.S. History from the colonies to Reconstruction, and in-depth focus on: industrialization, immigration, Progressivism, the Spanish-American War, WWI, the Roaring Twenties, the Great Depression, the New Deal, WWII, the Cold War, the Fifties, the Civil Rights Movement, the Sixties, Vietnam, the Seventies, the Reagan Years, and the Present.

WORLD HISTORY/GEOGRAPHY

1 CR (TWO SEMESTERS) – Grades 9

Prerequisite: None (This course is a graduation requirement)

This course expands on the foundations of World History taught in 7th grade, beginning with a unit on the increased and intensified interactions between the eastern and western hemispheres. The course will then focus on the emergence of the first global age between the 15th and 18th centuries before transitioning into an age of global revolutions (18th century -1914) and an era of global crisis and achievement (1900-present day). A unit on contemporary global issues will finish our course. Major units of study will include Renaissance and Reformation, Age of Exploration, French, Latin American and Industrial Revolutions, Growth of Imperialism, World at War and Cold War Conflicts.

POLITICS OF CULTURE

1 CR (TWO SEMESTERS) – Grades 10-12

Prerequisite: World History AND English 9 with a grade of "B" or better – OR – Permission of Instructor..

Politics of Culture is part Anthropology, Philosophy, Political Theory, and Public Address. Every quarter the students will create a class project as well as an individual project they design themselves. These personal projects cover the topics of Responsibility, Communication, and Critical Thinking. This course uses a comparative, cross-cultural approach to facilitate a study of how various peoples around the world have adapted to their environments and developed behaviors to meet their biological, economic, psychological, social, and political needs. ***Course may be repeated for credit per instructor's and building administrator's permission.***

PHYSICAL AND HEALTH EDUCATION

Course Title

PHYSICAL EDUCATION 9

.5 CR (ONE SEMESTER) – Grade 9

Prerequisite: None (This course is a graduation requirement)

Physical Education will focus study on the five main areas of physical health: cardiovascular endurance, flexibility, muscular strength, muscular endurance, and body composition. Students will study and engage in physical activity designed to increase student knowledge and encourage healthy lifestyles. Daily physical activity is to be expected. This class will involve beginning and advanced tests in aspects of physical education as required by the state. Students with a condition that would make participation in the course medically adverse are required to submit documentation.

HEALTH

.5 CR (ONE SEMESTER) – Grade 9

Prerequisite: None (This course is a graduation requirement)

Health consists of the study of various components of human health, including: the definition of health, nutrition, tobacco and alcohol, bullying, harassment and conflict resolution. Additionally, per state mandate, the class will spend time studying human sexuality, sexual transmitted infections, and AIDS education.

(Parent request required in order to waive reproductive health section)

WEIGHT TRAINING & CONDITIONING

1 CR (TWO SEMESTERS) – Grades 10-12

Prerequisite: Physical Education 9

This class is a combination of intense weight training and physical conditioning based on the principles of Bigger, Faster, and Stronger (BFS). Class periods will include free weight training, machine weights, circuit training, aerobic, and anaerobic conditioning. All facets of physical training will be covered. Class work is designed to develop the physical potential of athletes. Each participant will go through a program that will help improve the physical condition of the individual. The class will consist of goal setting and a prescription of activities designed to increase strength, speed, flexibility, general conditioning, specific skills, and team success.

Students will be tested in bench, squat, dead lift, leg press, and one mile run throughout the semester. Student progress will be monitored, measured, and expected on a regular basis. Students will also participate in aerobic conditioning 1-2 days per week. Special attention will be given to motivation and the mental aspect of individual success. This class is designed for students who are serious about weight training and conditioning. ***Course may be repeated for credit per instructor's and building administrator's permission.***

INDIVIDUAL SPORTS

1 CR (TWO SEMESTERS) – Grades 10-12

Prerequisite: Physical Education 9

The student will be an active participant in some of the listed activities: badminton, disc golf, golf, fowling, table tennis, pickle ball, and speedminton. Each section will be more intense than the general physical education class. The student will be tested on all rules, skills, strategies and principles.

TEAM SPORTS

1 CR (TWO SEMESTERS) – Grades 10-12

***Prerequisite:* Physical Education 9**

The student will be an active participant in some of the listed activities: basketball, floor hockey, flag football, soccer, volleyball, softball, team handball, speedball, fowling, water polo, and ultimate football. Each section will be more intense than the general physical education class. The student will be tested on all rules, skills, and strategies.

WORLD LANGUAGE DEPARTMENT

Study of a world language is strongly recommended for students who are planning on attending college or doing business in a global economy. Two credits in a world language or one credit in a world language and an additional visual, performing and applies arts credit will be required for graduation

Course Title

SPANISH I

1 CR (TWO SEMESTERS) – Grades 9-12

***Prerequisite:* None. (Applies towards either one or two credits in a World Language that is a graduation requirement)**

Spanish I is a course that reflects current research and is based on the belief that the purpose of learning Spanish is to communicate with the people who speak it and to understand their culture. We use the *Realidades* (Prentice Hall) textbook, which is based on the Standards for Foreign Language Learning or the “5 C’s”. These include: (1) Communication: To communicate in languages other than English, (2) Culture: To gain knowledge and understanding of other cultures, (3) Connections: To connect with other disciplines and acquire information, (4) Comparisons: To gain insight into the nature of language and culture and (5) Communities: To participate in multilingual communities at home and around the world. Students will practice with new vocabulary, speaking and listening, reading and grammar basic to a first year language class.

SPANISH II

1 CR (TWO SEMESTERS) – Grades 9-12

***Prerequisite:* Spanish I (Applies towards the two credits in a World Language that is a graduation requirement)**

Spanish II builds upon Spanish I. Its purpose is to develop greater proficiency in speaking and understanding Spanish. Students will continue to develop competencies delineated in the *Standards for Foreign Language Learning* or the “5 C’s”. They will demonstrate a deeper understanding of Spanish through listening, speaking, reading and writing.

INDUSTRIAL TECHNOLOGY DEPARTMENT

Course Title

CONSTRUCTION TRADES I

1 CR VPAA (TWO SEMESTERS) – Grades 10-12

Prerequisite: None

This project-based, Vocational class will give the student basic knowledge in Woodworking and Building Construction. We will cover Safety, Materials, Tools and Equipment, etc. related to construction. The student will develop skills and understanding by designing and building various projects. Construction Trades I is the prerequisite to all other departmental classes.

INDUSTRIAL TECHNOLOGY

1 Hour, 1 CR VPAA (TWO SEMESTERS) – Grades – 11-12

Prerequisite: Construction Trades I

This project-based course will give students knowledge and skills in designing and building various projects. The students will study Drafting (board drafting & CAD), Computer Technology (Plasma cutter, CNC machines, & 3D Printing), Metalworking (sheet metal, foundry, forge, welding, etc.), Machining (mill, lathe, etc.) We will discuss many careers in Industrial Technology.

CONSTRUCTION TRADES II

1 HOUR, 1 CR (1 Elective credit or 1 Senior Math credit)

(TWO SEMESTERS) – Grades – 11-12

Preference will be given to seniors.

Prerequisite: Construction Trades I OR permission of instructor

Construction Trades II is a Vocational Class. This course will give the student content knowledge and learn the skills utilized in most aspects of construction. The course will be lecture, discussion, book work, computer work, field trips, and hands on. This course is NOT all shop work; you must have the knowledge to perform the task! Imbedded into Construction Trades is applied math and will focus on applications within the building trades. An emphasis in hands-on mathematical applications of concepts pertaining to the construction trades.

CONSTRUCTION TRADES Q

1 HOUR, 1 CR ELECTIVE (Two Semesters) – Grade 12

Prerequisite: Construction Trades I and Construction Trades II AND permission of instructor

Construction Trades Q is a Vocational class. This course is for students who wish to go beyond the scope of Construction I and II. The student will develop skills and knowledge utilized in most aspects of construction trades. We will be hands-on as much as possible.

VISUAL, PERFORMING AND APPLIED ARTS DEPARTMENT

Course Title

CHOIR

1 CR VPAA (TWO SEMESTERS) – Grades 9-12

Prerequisite: None

The choir is a performing group open to all singers. We perform at fall, holiday, winter, and spring concerts and graduation as well as field trips such as an exchange concert, Toledo Zoo, and Cedar Point. A variety of musical skills, history, and theory will be covered. Choreography may be added. Other units such as guitars, ukuleles, and other instruments may be added as time allows.

Course may be repeated for credit.

BAND

1 CR VPAA (TWO SEMESTERS) – Grades 9-12

Prerequisite: None

The band is a performing group open to all students who want to learn instrumental music. We perform often throughout the year and participation in each event is part of the class expectation. We perform at four football games, four basketball games, three concerts (holiday, winter, and spring), and graduation. We also perform in several local parades and the Toledo Zoo.

Course may be repeated for credit.

ART I

1 CR VPAA (TWO SEMESTERS) – Grades 9-12

Prerequisite: None

Students are offered the opportunity to explore various visual art forms and techniques in an introductory level course through the elements and principles of art and design. Students will be introduced to a variety of media through two-dimensional and three-dimensional approaches to creating and responding to visual arts.

ART II

1 CR VPAA (TWO SEMESTERS) – Grades 10-12

Prerequisite: Prior successful completion of Art I

Students will continue to explore various visual art forms and techniques through the elements and principles of art and design. Students will continue to build and apply their skills, knowledge, and methodology to a variety of media through instructional activities that will develop and shape a visual arts foundation.

ADVANCED ART CONCEPTS

1 CR VPAA (TWO SEMESTERS) – Grades 11-12

Prerequisite: Successful completion of Art I and this course may be taken more than once for credit..

Students will continue to explore various visual art forms, techniques and will continue to build and apply their skills, knowledge, and methodology to a variety of media. This class will allow students the opportunities to create art and develop their own art style. This course will explore career and college options along with scholarships exploration.

SENIOR SEMINAR

1 CR VPAA (TWO SEMESTERS) – Grades 12

***Prerequisite:* None (This course is a graduation requirement)**

Senior Seminar is a course that includes activities that are completed on and off school campus. Much of the work will be teacher guided – student driven. Students will have an opportunity to volunteer and job shadow. Students will utilize career search sites and online career exploration course activities. Students will get help completing financial aid applications, scholarships, job applications, and college applications. Students will be prepared for interviews, take sample job placement tests, write cover letters and resumes, and learn about budgets/basic financial planning. Much of this work will be done outside of class, with weekly check-ins. Students will receive a letter grade for this course. Strict attendance and participation will be part of the course grade.

CAREER TECHNICAL EDUCATION

COSMETOLOGY

3 CR (TWO SEMESTERS) – Grades 11-12

***Prerequisite:* Interview and Counselor/Principal Approval, GPA of 2.5 or higher, must be on track to graduate with cohort class. Student and parent must attend the mandatory meeting held in March**

In this two-year program, students receive the training required to pass the State of Michigan Cosmetology License Exam. All services offered in a salon are taught including: hair shaping and styling, manicures, facials, and waxing. Students begin the first year as juniors.

COMPUTER INFORMATION SYSTEMS I

.5 CR (ONE SEMESTER) -Grades 9-12

***Prerequisite:* None**

This course is the first in a two part series offering that complies with the National Standards for Systems Administration/Administrator Career and Technical Education for the State of Michigan. Students will explore various hardware components used in computing including servers, access points, mobile devices, switches, gaming, copiers, etc. Additionally, students will learn to solder and practice computer repair. Software used to operate systems will also be highlighted including operating systems, scripting, coding, cloud computing, and security from hacking. Students will learn the fundamental roles of a system administrator including basic network design as well as systems development. Learners will also be applying their knowledge in a lab-based learning environment. Students completing this course section will be better prepared for certification exams such as CompTIA's A+.

COMPUTER INFORMATION SYSTEMS II

.5 CR (ONE SEMESTER) -Grades 9-12

***Prerequisite:* None**

This course is the second in a two part series offering that complies with the National Standard for Systems Administration/Administrator Career and Technical Education for the State of Michigan. Students will be applying their knowledge, learned in Computer Information Systems I, with project-based and teamwork exercises using lab-based learning. Students will explore the various roles within information technology and practice skills used to provide user support in a business environment. Learners will create technical documents, apply project management skills, and develop applied academics to the field of systems administration. Completing the two part course allows students to enter a second exploratory year where they will use their knowledge to further their learning in any specific technology track that best suits their interests and career desires.

INTRODUCTION TO ELECTRICAL TECHNICIAN

2 CR (DOUBLE BLOCKED) -Grades 11-12

Prerequisite: Students must have successfully completed Algebra I or its equivalent achieving a grade of C or better

This course is designed for students who are interested in learning about a career as an electrician or as an electrical engineer. The course will cover the fundamentals of trouble shooting electrical theory (AC and DC), Ohm's Law, reading schematic drawings, electrical component identification and functions, sources of electrical power, motors, power distribution, and basic solid-state devices. Students will also cover AC/DC motor controllers, variable frequency drives and programmable logic controllers and national electrical codes.

Laboratory exercises will include measurement of resistance, voltage, and current with analog and digital meters, basic oscilloscope use, relays and transformers, circuit design and construction, and component testing. Advanced laboratory lessons in residential home wiring, circuit analysis, data acquisition and instrumentation with DSP, transducers, bridges, and fiber optics will also be covered.

ONLINE/BLENDED LEARNING PROGRAM

MAVA

Credit may be granted to the student upon complete evaluation of the program.

The credit shall be placed on the student's transcript. The amount of credit counting toward graduation shall comply with the District graduation requirements.

MAVA AP CLASS OFFERINGS

All AP courses except Computer Science Principles, English Literature and Composition, French, and Spanish require textbooks. Textbooks are not included and can be ordered from online booksellers.

- Biology (not available via Instructional Services)
- Calculus AB

- Computer Science Principles
- English Literature & Composition
- Environmental Science (not available via Instructional Services)
- French Language & Culture
- Human Geography
- Psychology
- Spanish Language & Culture
- Statistics
- U.S. Government & Politics (1 semester)
- U.S. History
- Modern World History

Personal Curriculum

The Board of Education recognizes the need to provide alternative means by which students achieve the goals of the District.

A flexible plan to meet the recognized educational needs of a student shall be approved by the Superintendent. The Superintendent shall prepare a plan of educational options for use in meeting special needs.

Monroe County ISD Personal Curriculum Process

1. Parent/guardian, emancipated students or School personnel submits Personal Curriculum (PC) request to PC Designee for determination of eligibility prior to the start of the semester/trimester it could take effect.
2. If Designee determines that this process is appropriate a PC team is established.
3. If a student has a current EDP the required PC team is: parent, student, counselor Optional members are: CTE staff, Content teachers. Students with current IEP and EDP also are required to have a special education teacher or a School psychologist could serve as an optional member.
4. At this time the PC plan is developed and revised by the PC team. For special education students this could include modifications/substitutions and or content modifications.
5. Parent and Superintendent (or designee) must sign and agree to the plan and the plan takes effect.
6. After agreement, the parent is required to communicate at intervals specified in the PC plan to review progress and PC goals.

The Superintendent shall ensure that the flexible option is properly analyzed, planned, and implemented and complies with all applicable requirements of the State.