

Marion C. Early High School Course Description Catalog 2019-2020



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Introduction

Dear Parents and Students,

The 2019-2020 MCE High School Course Description Guide has been revised and updated to assist you with the course selection process. The purpose of this guide is to provide you with the information and resources you need to choose high school courses that will lead to college or career readiness. We encourage you to review course descriptions and prerequisites to make the best and most informed decision you can when choosing courses.

The guide begins with MCE High School Graduation Requirements. It's important to make note of these requirements as they will serve as a guide when selecting courses in required core subject areas, required electives and additional electives required for graduation. Other information regarding grade classification, virtual learning, dual enrollment, and academic eligibility for extracurricular activities is also included for your reference. The High School Counselor, Mrs. Hinkle, will serve as the point of contact for all things related to course registration and selection. Mrs. Hinkle will be provided with the information, materials and resources to effectively assist students with course selection. PLEASE, do not hesitate to reach out to her if you need help or have questions. We recognize the course registration/selection process is important for students and their families and for our school. We will offer assistance in many forms: classroom guidance activities with students, parent meetings, and printed and digital resources. We look forward to working with you as we prepare for the 2019-2020 school year.

Sincerely,

Dr. Joel Carey,

HS Principal

EDUCATIONAL REQUIREMENTS

GRADUATION REQUIREMENTS FOR CLASS OF 2019

Each student must complete a minimum of 26 credits to receive a high school diploma from Marion C. Early. Marion C. Early Senior Valedictorian and Salutatorian will be determined by the highest cumulative weighted GPA at the end of seven (7) semesters completed for Valedictorian and the second highest GPA for the Salutatorian. The GPA will be carried out to the ten-thousandths place. If there is a tie, Co-Valedictorians or Co-Salutatorians will be awarded.

GRADUATING WITH HONORS

Students who earn the following cumulative high school grade point averages will be honored at graduation with an academic honors medal. Honors will be calculated upon completion of the 7th academic semester.

4.0 or Higher	Summa Cum Laude	Gold Academic Honors Medal
3.85 - 3.99	Magna Cum Laude	Silver Academic Honors Medal
3.67 - 3.84	Cum Laude	Bronze Academic Honors Medal

26 Units Required for Graduation

Subject Area	Units to Complete	Requirements/Exceptions
English Language Arts	4	Required: English I, English II, English III or dual credit, English IV or dual credit (Beginning with the graduating class of 2017, Speech will not satisfy the 4th English credit)
Mathematics	3	Required: Algebra I
Science	3	Required: Physical Science, Biology
Social Studies	3	Required: 1 credit American History, 1 credit World History, ½ credit Government, plus ½ credit SS elective; Must pass U.S. and Missouri Constitution tests
Fine Arts	2	
Practical Arts	2	Must pass 1 semester of Personal Finance or pass the Missouri Personal Finance exam
Physical Education	1	
Health	.5	1 semester of Health is required
Electives	7.5	
TOTAL:	26	A student attending the OTC program will have his or her total credits due to graduate reduced by 1 credit for each year of attendance at OTC.

A+ PROGRAM

Marion C. Early High School has been designated by the state of Missouri as an A+ School. Due to the constant changes within the program, current eligibility can be found at:

<http://dhe.mo.gov/ppc/grants/aplusscholarship.php>

Program agreements and more information may also be obtained from the MCE A+ Coordinator (Mrs. Hinkle).

CORRESPONDENCE/ONLINE COURSES

Because virtual instruction can be an effective education option for some students, the district may offer virtual courses to students through district staff or by contracting for those services as part of the district-sponsored curriculum. In addition, eligible students may enroll in virtual courses offered through the Missouri Course Access Program (MOCAP). The district will accept all grades and credits earned through district-sponsored virtual instruction and MOCAP.

The district will pay the costs of a virtual course only if the district has first approved the student's enrollment in the course as described in policy IGCD. Even if a student or his or her parents/guardians pay the costs for a virtual course, the student or parents/guardians should meet with the principal or designee prior to enrollment to ensure that the course is consistent with the student's academic and personal goals.

The district is not required to provide students access to or pay for courses beyond the equivalent of full-time enrollment. The district will provide supervision for students who take virtual courses in district facilities but will not provide supervision for students taking virtual courses offsite.

For a full description and explanation of virtual education, please see Board Policy IGCD.

SUMMER SCHOOL

High School students may recover course credit through approved summer school courses. Check with the Counselor or Principal's office before enrolling for credit recovery toward graduation.

SCHEDULE CHANGES

The student and the counselor plan individual schedules based on the student's four-year personal plan of study, and yearly selection of studies, within the constraints of teacher and facility availability. For this reason, schedule changes will be very limited and only in extreme circumstances. The counselor, principal, teachers, and parents involved must approve any schedule changes.

WORK / COLLEGE RELEASE

A student who has successfully completed twenty-three (23) units of credit and **completed all required courses** may request early dismissal from school for the purpose of work or college attendance. This is done with the understanding that the student's attendance and enrollment are considered part-time. A student may earn one (1) elective credit maximum toward graduation requirements from work release.

In order to be approved for work/college release, the student must:

1. Currently have a 2.5 grade point average at the successful completion of six (6) semesters and maintain the average the following Semesters.
2. Provide written permission to work or attend college classes from parent or guardian.
3. Work with the work/college release coordinator to implement the plan after approval from administration and Board of Education.
4. Submit an application to the Board of Education for approval. The application must be submitted to the Board of Education at its regular meeting in July (for the first semester) or December (for the second semester).
5. Sign out in the main office every day.
6. Weekly provide proof of employment and hours worked (a minimum of 15 hours per week) to the work/college release coordinator.

If a student does not maintain the above criteria, it could result in the student's returning to a full day class schedule on campus.

STUDENT AIDES

The following guidelines must be maintained for a student to be an aide during their senior year:

1. Must have a GPA of 2.5 or better and 95% attendance
2. Cannot be an aide for more than one hour of his/her schedule
3. In order to be considered for an aide position, students must have prior permission from the cooperating teacher
4. A student may lose the privilege of being an aide at any time due to behavior, attendance or grades at the discretion of the teacher and principal

If the student does not meet the standards set forth during the first semester, the student will be assigned a class to attend the second semester. The student will sign a contract before accepting the aide position. Teachers will be assigned only one aide per semester. Students do not receive credit for being an office aide or a teacher's aide.

EARLY GRADUATION

Students who are eligible for early graduation have completed the required credits and have been approved by the Board of Education. They will be expected to follow all school rules until their participation in the graduation exercises. Early graduation students will be allowed to participate in Spring graduation exercises under the following guidelines:

1. Complete all academic and attendance requirements for graduation
2. Pay the appropriate fees connected with the graduation exercises as determined by the class and sponsors
3. Participate in the appropriate meetings and rehearsals for the commencement exercise
4. Attend the required graduation rehearsal to participate in the graduation ceremony

As an early graduate, the individual is no longer a student and is ineligible to participate in school activities. If the student does not wish to attend graduation exercises, they may pick up their diploma in the high school office the week following Spring graduation.

GRADE LEVEL CLASSIFICATIONS

Any student not achieving the minimum number of credits needed for classification will have their graduation year changed in their master record. Grade level classifications are figured by the number of credits passed, not by the age of the student.

Classifications for grade levels are as follows:

9th Grade	Fewer than 6 units of credit
10th Grade	6 – 12.5 units of credit
11th Grade	13 – 18.5 units of credit
12th Grade	19 or more units of credit

ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

INTERNATIONAL ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core-course credits, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA prior to enrolling full time in university.

ALREADY A STUDENT IN UNIVERSITY?

Click [here](#) for Transfer Eligibility Requirements.

DIVISION I

To compete at an NCAA Division I university, complete 16 core-course credits in the following areas:

ENGLISH/ NATIVE LANGUAGE	NATURAL/ PHYSICAL SCIENCE	MATH (Algebra I or higher)	SOCIAL SCIENCE	ADDITIONAL (English or native language, math or natural/ physical science)	ADDITIONAL (English or native language, math, natural/physical science, social science, foreign language, comparative religion or philosophy)
4 credits	2 credits	3 credits	2 credits	1 credit	4 credits

DIVISION II

ENGLISH/ NATIVE LANGUAGE	NATURAL/ PHYSICAL SCIENCE	MATH (Algebra I or higher)	SOCIAL SCIENCE	ADDITIONAL (English or native language, math or natural/ physical science)	ADDITIONAL (English or native language, math, natural/physical science, social science, foreign language, comparative religion or philosophy)
3 credits	2 credits	2 credits	2 credits	3 credits	4 credits

GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average (GPA) based on the grades you earn in NCAA-approved core-course credits.

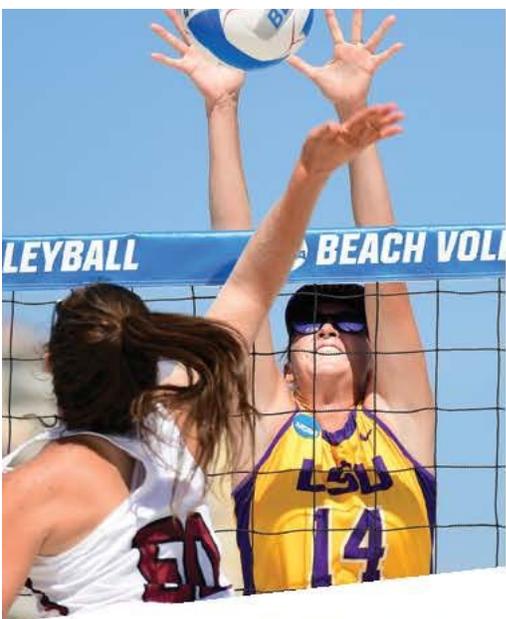
- DI requires a minimum 2.3 GPA
- DII requires a minimum 2.2 GPA

SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at ncaa.org/student-athletes/future/test-scores.

TEST SCORES

Take the ACT or SAT as many times as you want before you enroll full time in university, but remember to list the NCAA Eligibility Center (code **9999**) as a score recipient whenever you register to take a test. If you take a test more than once, send us all your scores and we will use the best scores from each test section to create your sum score. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript. TOEFL scores cannot be used toward NCAA initial-eligibility requirements.



HIGH SCHOOL TIMELINE

GRADE/YEAR 9

Plan

- Start planning now! Take the right courses and earn the best grades you can.
- Review your country's academic guidelines in the [Guide to International Academic Standards](#) for course titles approved in your country.

GRADE/YEAR 10

Register

- Register for a Certification Account or Profile Page with the NCAA Eligibility Center at eligibilitycenter.org.
- If you fall behind on courses, don't take shortcuts to catch up. Use the [Division I and Division II worksheets](#) to plan accordingly and monitor your progress toward meeting NCAA initial-eligibility requirements.

Proof of Graduation

For more information on acceptable proof of graduation and grading scales for GPA purposes, please refer to your country's specific academic guidelines in the following resources:

- [Guide to International Academic Standards](#)
- [Country-specific International Webpage](#)

GRADE/YEAR 11

Study

- Check with your school to make sure you are on track to graduate **on time**.
- Take the ACT or SAT, and make sure we get your scores by using code **9999**.
- At the end of the year, ask your school to email (best practice) or mail your official transcript.

GRADE 12 OR FINAL YEAR

Graduate

- Take the ACT or SAT again, if necessary, and make sure we get your scores by using code **9999**.
- Request your final amateurism certification after April 1.
- After you graduate, ask your school to **submit** your final official transcript and proof of graduation.

For more information

ncaa.org/playcollegesports

eligibilitycenter.org

ncaa.org/international

[Document Submission Guidelines](#)

Search Frequently Asked Questions

ncaa.org/studentfaq

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Department of English Language Arts

English I - Students will engage in writing, reading, speaking, and listening. These activities will build upon skills learned in earlier grades. Students will learn to analyze literature, identifying ideas/theses and literary elements. They will also be encouraged to respond personally to the works. In addition, students will read and respond to a variety of nonfiction texts. Students will produce personal and nonfiction writing.

- **Goals:** Students will be able to identify the parts of speech and use them to form different types of sentences, evaluate and respond to different genre, write well developed essays, and acquire a larger vocabulary.
- **Evaluation:** Students are evaluated by instructor observation, papers, projects and tests. This is an EOC tested course.
- **Entrance Requirements:** Students must be enrolled in the 9th grade.
- **Length and Credit:** English I is a two semester course and is worth one unit of credit.

English II –English II is designed to further students’ knowledge and skills in the communication arts. This class is designed to provide broad coverage of literature from a variety of cultures and time periods. Students will gain experience reading and enjoying fiction, nonfiction, poetry and drama. Additionally, attention will be given to students’ writing and research skills.

- **Goals:** Students successfully completing this course will: identify the parts of speech and use them to form different types of sentences, comprehend and evaluate what they read and identify literary techniques used by authors, write well-developed paragraphs and short essays, acquire a larger vocabulary.
- **Evaluation:** Students are evaluated by instructor observation, papers, projects and tests. This is an EOC tested course.
- **Prerequisites:** The requirement for this is course is the successful completion of English I.
- **Length and Credit:** English II is a two semester course and is worth one unit of credit.

English III - English III is designed to further students' knowledge and skills in the communication arts. This class is designed to provide broad coverage of American literature throughout our history and to explore our American identity. Students will gain experience reading and interpreting (and enjoying) fiction, nonfiction, poetry and drama. Additionally, attention will be given to students' writing and research skills.

- **Goals:** Students successfully completing this course will: analyze and respond to literature, recognize and analyze various genres, increase skills in researching, using both traditional and nontraditional methods, make oral presentations.
- **Evaluation:** Student progress will be evaluated on tests, papers, projects, and participation.
- **Prerequisites:** The requirement for this is course is the successful completion of English I and II.
- **Length and Credit:** English III is a two semester course and is worth one unit of credit.

English IV - This course is designed to introduce students to new literature, authors, writing styles, and vocabulary as it pertains to *The British Tradition* and prepare students for the ACT, college, and adulthood. Students will build on the rules of grammar and spelling learned earlier English classes, specifically as it is related to their own writing. Because English is primarily the study of the written portion of our language, reading skills will be an important focal point of study. The following areas of English will be emphasized through the study of various types of literature from many authors: reading, writing, grammar, vocabulary, appreciation, listening/speaking, and research.

- **Goals:** Students successfully completing this course will: analyze and respond to literature, recognize and analyze various genres, increase skills in researching, using both traditional and nontraditional methods, make oral presentations.
- **Evaluation:** Student progress will be evaluated on tests, papers, projects, and participation.
- **Prerequisites:** The requirement for this course is the successful completion of English I, II, and III.
- **Length and Credit:** English IV is a two semester course and is worth one unit of credit.

ENG 101/102: Composition 1 & 2 - English 101 introduces students to college-level writing and thinking through personal narrative, analytical and research-supported writing. The processes of critical thinking, composing, revising and editing are emphasized. Students will learn basic research skills and documentation techniques. ENG 102 continues developing students' abilities to use research and writing to make informed conclusions. In addition, the course develops students' skills to communicate these conclusions to professional and expert audiences. Emphasis is placed on honing skills of audience analysis, analytical reading, critical thinking, research methods, and persuasive writing. Also, this course will introduce students to patterns and conventions of multiple disciplinary communities. Through OTC's dual-credit program, students should receive 6 college credit hours by the end of the year. This is a Senior Level Course and satisfies the Senior English requirement toward graduation.

ENG 180: Introduction to Literature- In this course, students read a wide selection of literary works from a variety of cultures and times. The primary characteristics of fiction, poetry and drama will be introduced, as students analyze the impact of social, cultural, linguistic and historical circumstances upon the literary imagination. Through OTC's dual-credit program, students should receive 3 college credit hours by the end of the year. This is a Junior Level Course and satisfies the 11th Grade English requirement toward graduation.

Foreign Languages

French I - This course is an introduction to the French language, literature, history, and culture. The primary goal of this course is student acquisition of balanced communication skills, the fundamentals of the language with an emphasis on vocabulary, verbs, and basic grammar and understanding of the customs, traditions, and history of the people in the Francophone world.

- **Goals:** Students will be able learn fundamentals of the French language.
- **Evaluation:** Students will be evaluated on their ability to learn the French language.
- **Prerequisites:** For this course you must be grade 9 thru 12 and have a C or better in previous English class.
- **Length and Credit:** French I is a two semester course and is worth one unit of elective credit

French II - This course is a continuation of French I with the goal of enhancing student acquisition of balanced communication skills, the fundamentals of the language with an emphasis on vocabulary, verbs, and more complex grammatical structures and an increased understanding of the customs, traditions, and history of the people in the Francophone world.

- **Goals:** Students will be able to learn fundamentals of the French language.
- **Evaluation:** Students will be evaluated on their ability to learn the French language.
- **Prerequisites:** Students must have at least earned a C in French I, be at least a sophomore or have teacher permission.
- **Length and Credit:** French II is a two semester course and is worth one unit of elective credit.

Department of Mathematics

Algebra I - This mathematics course is the first true look at pure Algebra and as such covers many topics therein in order to prepare students for future math courses. In this course students are challenged to develop 21st century skills such as critical thinking and problem solving skills. It will cover the information that students need to be successful on the Algebra 1 EOC exam. The course will require students to use algebra skills to solve problems. Topics to be covered will include Equations and Functions, Linear Equations, Linear Functions, Linear Inequalities, Systems of Equations, Exponential Functions, Quadratic Expressions and Equations, Quadratic Functions, Radical Functions, Rational Functions and Equations, and Statistics and Probability.

- **Goals:** Achieve a functioning knowledge of many Algebra topics.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing. This is an EOC tested course.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and Credit:** This course is two semesters in length. Upon completion, students will receive one unit of credit.

Algebra 1A-Designed for the student who is not ready to take a full year of Algebra I. Developmental hands-on activities and more guided practice along with an emphasis on algebra skills will provide a foundation for a second year of algebra class-level expectations. Upon completion of this course, students will take Algebra I B. This is not an EOC tested course

- **Goals:** Focus on algebra topics in preparation for student's next math class.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and credit:** The course is two semesters in length. Upon completion, students will receive one unit of credit.

Algebra 1B- Designed for the student who is ready to complete a second year of algebra course-level expectations. Developmental hands-on activities and more guided practice will be emphasized. Students will take the EOC exam.

- **Goals:** Achieve a functioning knowledge of many Algebra topics.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing. This is an EOC tested course.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and credit:** The course is two semesters in length. Upon completion, students will receive one unit of credit.

Geometry - Geometry is a full year course. The course will require students to use algebra skills to solve problems. Geometry is different than algebra. Geometry requires students to generate equations based on geometric concepts. Topics from the course will include basic geometric terminology, properties of parallel and perpendicular lines, congruent and similar triangles, relationships in triangles, quadrilaterals, special right triangles, trigonometry, transformations, circles, area of geometric figures, surface area of geometric figures, and volume of geometric figures.

- **Goals:** Focus on geometry topics in preparation for student's next math class.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing. Geometry is an EOC tested course.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and Credit:** This course is two semesters in length. Upon completion, students will receive one unit of credit.

Integrated Geometry - The course moves slower than regular Geometry class, but covers most of the same topics in a regular Geometry class. There is an emphasis on reteaching when needed. Topics covered include basic geometric terminology, properties of parallel and perpendicular lines, congruent and similar triangles, relationships in triangles, quadrilaterals, special right triangles, trigonometry, transformations, circles, area of geometric figures, surface area of geometric figures, and volume of geometric figures. This is not an EOC tested course.

- **Goals:** Focus on geometry topics in preparation for student's next math class.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and credit:** The course is two semesters in length. Upon completion, students will receive one unit of credit.

Math 3-- Math 3 is an alternative to the regular math path. This is for those students who struggle with math but need 3 credits of math to graduate. The content will be from Algebra 1, Geometry, and Algebra 2 with an emphasis on Algebra 2. Topics to be included are equations and inequalities, graphs and functions, polynomials and factoring, rational expressions, irrational and complex number systems, quadratic equations and functions, systems of equations, analytic geometry, exponential and logarithmic functions, trigonometry, area of geometric figures, surface area of geometric figures, and volume of geometric figures.

- **Goals:** Focus on algebra and geometry topics in preparation for student's next math class and post secondary education.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing.
- **Prerequisites:** Teacher permission and based on grades from previous math class.
- **Length and credit:** The course is two semesters in length. Upon completion, students will receive one unit of credit.

Algebra II – Algebra II is a weighted course which integrates geometric and algebraic properties into more intensive problem solving. Topics include real numbers, equations and inequalities, graphs and functions, polynomials and factoring, rational expressions, irrational and complex number systems, quadratic equations and functions, systems of equations, analytic geometry, exponential and logarithmic functions, sequences and series, trigonometric functions, vectors, matrices and determinants, and probability and statistics.

- **Goals:** Focus on algebraic concepts in preparation for student’s next math class.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing. This is an EOC tested course.
- **Prerequisites:** Students must have had a grade of “C” or higher every quarter in Geometry and/or teacher permission.
- **Length and Credit:** This course is two semesters in length. Upon successful completion of both semesters, students will receive one unit of credit.

Advanced Math – The student will learn the advanced concepts of algebra, trigonometry, and have an introduction to calculus concepts. Topics will include the translations of functions, inverse functions, right angle trigonometry, and trigonometric identities. Additional topics include the law of sine’s and cosines, vectors and dot products, conic sections and polar equations. Applications of key concepts will also be explored.

- **Goals:** Focus on advanced mathematical concepts in preparation for student’s next math class.
- **Evaluation:** The goals will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must have had a “C” or better every quarter of Geometry and Algebra II and/or teacher permission.
- **Length and Credit:** This course is two semesters in length. Upon successful completion of both semesters, students will receive one unit of credit. Advanced Math is a weighted course.

MTH 130: College Algebra- This course is a standard course in college level algebra. Topics include properties of functions; polynomial, rational, exponential, logarithmic functions and their graphs; and conic sections. Through OTC’s dual-credit program, students should receive 3 college credit hours by the end of the year. This is a Senior Level Course and satisfies a math requirement toward graduation. (The second semester will be Math Analysis involving College Prep).

Department of Sciences

Physical Science – This course is designed to provide students with a quantitative investigative study of the concepts of motion, energy and the interaction of matter.

- **Goals:** Exercise the ability to utilize the scientific method in problem solving, interpret data in order to form conclusions, acquire and execute laboratory safety procedures.
- **Evaluation:** Students will be evaluated through tests, quizzes, classwork, and homework. This is an EOC tested course.
- **Prerequisites:** Students must be enrolled in 9th grade.
- **Length and Credit:** Physical Science is a two semester course and is worth one unit of credit.

Biology I – This course is designed to provide students with fundamental concepts of life functions.

- **Goals:** Students will be able to demonstrate an understanding of homeostatic processes and other processes related to the study of living organisms required for life, design and implement a scientific investigation, and understand basic ecological processes.
- **Evaluation:** Students will be evaluated by instructor observation and content testing. This is an EOC tested course.
- **Prerequisites:** Students must have successfully completed Physical Science.
- **Length and Credit:** Biology I is a two semester course and is worth one unit of credit.

Earth Science-This course explores the fundamental concepts of earth science, as well as examining Earth's complex and interrelated processes.

- **Goals:** We will begin by exploring scientific inquiry and experimental design. We will then move on to the study of geology, oceanography, meteorology, and astronomy. This class is hands-on and inquiry-based. Therefore, students will be participating in several activities, experiments, and in-class discussions.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Length and Credit:** Earth Science is a two semester course and is worth one unit of credit.

Chemistry – This course introduces students to why chemicals react with each other, and where to find them in our world.

- **Goals:** Students will be able to demonstrate an understanding of the principles and properties of matter and energy, and evaluate the impact of chemistry on human activity, natural resources and the environment.
- **Evaluation:** Students will be evaluated by the instructor's observation and content testing.
- **Prerequisites:** Students must have completed Physical Science.
- **Length and Credit:** Chemistry is a two semester course and is worth one unit of credit.

Human Anatomy & Physiology-This class is an introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology.

- **Goals:** It is recommended for students interested in pre-professional programs and Allied Health careers. This class is designed to give all students a solid foundation on which to build in upper-level BMS classes. This class also fulfills the General Education requirement for the Life Sciences. The first quarter is an in-depth review of Biology I material covering topics such as: biochemistry, molecular biology and cell biology. Other topics such as developmental biology, organismal biology (including major body systems), and medical biology will comprise the rest of the curriculum for this course.
- **Evaluation:** Students will be evaluated by the instructor's observation and content testing.
- **Prerequisites:** Students must have completed Biology 1 and Physical Science.
- **Length and Credit:** Human Anatomy & Physiology is a two semester course and is worth one unit of credit.

Project Lead The Way-Engineering:

Introduction To Engineering Design-This Project Lead the Way Foundation course focuses on developing problem solving skills using a design development process. *Students adequately completing the PLTW course series are eligible for college credit at PLTW participating universities.*

- **Goals:** IED is a hands-on class where students create models of product solutions, analyze and communicate them. Modeling is done with solid modeling software such as Autodesk's Inventor 3D CAD program. Students will also build prototypes of their solutions in the engineering lab. The major focus is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.
- **Evaluation:** Students will be evaluated by the instructor's observation and content testing.
- **Prerequisites:** None.
- **Length and Credit:** IED is a two semester course and is worth one unit of credit.

Principles of Engineering Design – POE is a course designed to help students understand the fields of engineering and engineering technology and their career possibilities. Engineering areas such as hydraulics, pneumatics, gearing systems, pulleys and structural supporting such as bridge building units and many others are modeled in a shop setting to resemble real world applications. *Students adequately completing the PLTW course series are eligible for college credit at PLTW participating universities.*

- **Goals:** POE helps students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. Units of study include energy and power, materials and structures, control systems, statistics and kinematics.
- **Evaluation:** Students will be evaluated by the instructor's observation and content testing.
- **Prerequisites:** Students must have completed Physical Science and Introduction to Engineering Design
- **Length and Credit:** POE is a two semester course and is worth one unit of credit.

Aerospace Engineering-This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. *Students adequately completing the PLTW course series are eligible for college credit at PLTW participating universities.*

- **Goals:** To be successful in AE, students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community
- **Evaluation:** Students will be evaluated by the instructor's observation and content testing.
- **Prerequisites:** Students must have completed Physical Science, Introduction to Engineering Design and Principles of Engineering Design or teacher permission
- **Length and Credit:** AE is a two semester course and is worth one unit of credit.

Department of Social Sciences

American History – This course is the chronological study of US history from the Civil War to modern times. Causes and consequences of major events, contributions of important people, development of democracy and the transmission of cultural concepts are the focus of this course.

- **Goals:** Students will be able to demonstrate ability to express themselves in a well organized essay, demonstrate social studies skills charts, graphs and maps, demonstrate knowledge of key people and events, and demonstrate understanding of development democratic principles.
- **Evaluation:** Students will be evaluated by tests, worksheets, essays, and small and individual group projects. This is an EOC tested course.
- **Prerequisites:** Students must be enrolled in 9th grade.
- **Length and Credit:** American History is a two semester course and is worth one unit of credit.

World History – This course is designed to examine the history of mankind from the foundation of civilization to the present day. Special emphasis will be given to technological, political, social and economic changes relating to the rise and fall of major empires and civilizations. Other topics include, but are not limited to, different structures of government, the role of religion within different societies, the development of coded law, and the role of the United States in world history.

- **Goals:** Students will be able to identify and explain significant contributions of major world civilizations throughout human history, compare/contrast different governmental and economic systems, describe key aspects of major world religions, explain the role of exploration and colonization in making the world more interconnected and interdependent, explain the development of Enlightenment thought and its impact on societal progress in the areas of science, government, economics and war, identify and explain major events of world conflict from the beginning of civilization through the 21st century, and explain the emerging role of the United States following World War II.
- **Evaluation:** Students will be evaluated by tests, quizzes, classwork, and a portfolio binder.
- **Prerequisites:** Students must have successfully completed American History.
- **Length and Credit:** World History is a two semester course and is worth one unit of credit.

American Government – This course emphasizes the structure and role of the United States government. Other areas of study will include the structure of the Constitution, an in-depth look at the three branches, state and local government, major legislative and judicial acts and documents/philosophers that help shape our governmental structures.

- **Goals:** Students will be able to identify and explain the significance of major Enlightenment philosophers, identify and describe key parts of the US Constitution, contrasting various powers at the state and federal government level, identify and explain the importance of major Supreme Court cases, identify the checks and balances between each of the branches of the federal government and contrast styles of leadership such as autocratic, democratic and laissez-faire.
- **Evaluation:** Students will be evaluated by tests, classwork, and a portfolio binder. This is an EOC tested course. Students must pass a Federal and State Constitution test, and a U.S. Citizenship exam as a requirement for graduation.
- **Prerequisites:** Students must have successfully completed American and World History.
- **Length and Credit:** American Government is a two semester course and worth one unit of credit.

PLS 101: American Government & Politics—This course is an introduction to the origin, organization and policy of the United States and state government. The course fulfills Missouri state law requiring instruction in the Constitutions of the United States and Missouri. Through OTC’s dual-credit program, students should receive 3 college credit hours by the end of the year. This is a Junior/Senior Level Course and satisfies the Government requirement toward graduation.

Conflicts of the World- The primary purpose of this course is to examine the conditions that make for war and peace in world politics, as well as the range of possible solutions that might help to prevent this problem in the future. The course begins with an examination of historical patterns and trends in modern warfare. Later sections of the course then examine the causes or correlates of war, the outcomes and consequences of war, and solutions that have been offered to help prevent or limit war.

- **Goals:** Upon completion of this course, students should be familiar with many of the factors that seem to create, worsen, or reduce military conflict between nation-states. Students should be able to apply these factors in examining real-world scenarios, such as studying historical cases of war or assessing the prospects for future conflict in troubled areas of the world.
- **Evaluation:** Students will be evaluated by tests, classwork, and a research project.
- **Prerequisites:** Students must have successfully completed American and World History.
- **Length and Credit:** Conflicts of the World is a two semester course and worth one credit

Department of Practical Arts & Vocational Education

Business & Marketing

Computer Applications – This course is designed to teach students word processing, spreadsheets, databases, desktop publishing, and multimedia presentations skills.

- **Goals:** Students will be able to demonstrate usage of word processing applications, database applications, spreadsheet applications, multimedia programs within class presentations, desktop publishing techniques and career management.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be enrolled in the 9th grade.
- **Length and Credit:** Computer Applications is a one semester course and is worth ½ unit of credit.

Personal Finance – This course focuses on the understanding and managing personal finances and presents students with essential knowledge and skills to make informed decisions about real world financial issues.

- **Goals:** Students will learn how choices influence occupational options and future earning potential, learn to apply decision-making skills to evaluate career choices and set personal goals and wise decisions to achieve personal finance success.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Personal Finance is a semester course and is worth ½ unit of credit.

Desktop Publishing – This course is designed to use the computer to design and create a layout of letters, fliers, brochures and other publications associated with business, marketing and journalism.

- **Goals:** Students will be able to define terms relating to desktop publishing, compare functions/features of software used for desktop publishing, identify careers opportunities in desktop publishing, complete a project using customer-supplied instructions and/or materials, access available resources to solve problems, create business forms, and develop a portfolio.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Requirements for this course include at least a C in Computer Applications or teacher permission and be at least a sophomore.
- **Length and Credit:** Desktop Publishing is a semester course and is worth ½ unit of credit.

Webpage Design – This course is designed to introduce students to concepts of designing a webpage.

- **Goals:** Students will be able to apply concepts of webpage creation to create their own webpage.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Requirements for this course include at least a C in Computer Applications or teacher permission and be at least a sophomore.
- **Length and Credit:** Webpage Design is a semester course and is worth ½ unit of credit.

Business Technology 1, 2 & 3 (Yearbook) – This course is designed for sophomores, juniors, and seniors who desire to create the school’s yearbook.

- **Goals:** Students will be able to produce yearbook layouts with the use of desktop publishing software, learn the basic rules in designing yearbook pages, sell yearbooks and yearbook ads, photograph special events and activities within the school, and design special graphics that will be integrated into the yearbook.
- **Evaluation:** Students will be evaluated by instructor observation and yearbook layouts.
- **Prerequisites:** Students must be at least a sophomore, earned a B in keyboarding and English I and have an overall GPA of 3.0 or higher. All interested students must fill out an application for the class including teacher recommendations.
- **Length and Credit:** Business Technology (Yearbook) is a two semester course and is worth 1 unit of credit.

CIS 1 & 2 - This course provides an overview of digital literacy topics such as computer hardware, software, programming, security, safety, and information systems. This is a “hands-on” class learning to use the most common computer software programs and information resources facilities. This course provides a look at the structure and components of computers, their operating systems, and an introduction to various applications with emphasis on word processing, spreadsheet applications, presentation software, and Internet usage. This is a Junior/Senior Level Course.

- **Goals:** Students will become proficient in the use of Microsoft Office Programs.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Computer Applications
- **Length and Credit:** Each section (1 & 2) is a semester course and worth ½ credit each

Introduction to Business-This course introduces students to the world of business and sets a solid foundation for high school, college, and career. Students will be engaged in teamwork, presentations, computer-related activities, and current events while learning the following topics: today's economy, business ownership, career exploration, getting and keeping a job, how to be a wise consumer, managing money, understanding banking and credit, and types of insurance.

- **Goals:** The business units help students acquire sound values and acceptable attitudes regarding their personal lives and on-the-job success.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** None
- **Length and Credit:** Introduction to Business is a one semester course worth 1/2 unit of credit.

Family & Consumer Science

Child Development – This course focuses on the development of the child from birth to five years of age. Students will work with young children and observe their behaviors to better understand the child at specific ages. Students will also learn about such topics as pregnancy/birth development abilities of the child, how love and family relate to development, and how childhood forms a foundation for later years.

- **Goals:** Students will be able to learn and apply key concepts related to the development of a child.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be a sophomore and have successfully completed Career Family and Leadership.
- **Length and Credit:** Child Development is a two semester course and is worth one unit of credit.

Nutrition and Wellness – The course will help students to understand the principles of nutrition, the relationship between nutrition and health/wellness and develop an understanding of nutritional knowledge.

- **Goals:** Students will apply mathematical and scientific skills to understand the principles of nutrition and wellness.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be a sophomore and have successfully completed Career Family and Leadership.
- **Length and Credit:** Nutrition and Wellness is a semester course and is worth ½ unit of credit.

General Foods – This course is designed to focus on the the selection, preparation and care of food, meal management to meet individual and family food needs, and food economics and ecology.

- **Goals:** Students will apply mathematical and scientific skills to understand principles of preparing food and money management.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be a sophomore and have successfully completed Nutrition and Wellness.
- **Length and Credit:** General Foods is a semester course and is worth ½ unit of credit.

Advanced Foods - This course is designed to provide an opportunity to acquire skills that will help them to be successful in meal management and food preparation skills. Students will investigate the culture, geography, history and the cuisine of various people in the world, as well as prepare and appreciate a variety of different foods using different techniques for food preparation.

- **Goals:** Students will analyze a variety of food products, preparation techniques, and meal patterns, as well as recognize the significance of food related to cultures and world conditions.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be a junior or senior and have successfully completed Nutrition and General Foods.
- **Length and Credit:** Advanced Foods is a two semester course and worth one unit of credit.

Family Resource Management- Family Resource Management class is to aid in preparing for success in family, career and community life, performance competencies in the FRM course taught in Family and Consumer Sciences.

- **Goals:** To educate the student in the importance of community service, leadership skills and taking responsibility for one's own actions and those of a group.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be at least in the 9th Grade.
- **Length and Credit:** Family Resource Management is a semester course and is worth ½ unit of credit.

Housing and Apparel - The mission of this course is to prepare students for family life, work life, and careers in Family and Consumer Sciences by providing opportunities to develop the knowledge, skills, attitudes, and behaviors needed for functioning effectively as providers/consumers of goods and services and making complex housing decisions.

- **Goals:** Students will develop skill concepts related to goods and services and making housing decisions.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must have successfully completed Career and Family Leadership.
- **Length and Credit:** Housing and Apparel is a semester course and is worth ½ unit of credit.

Vocational Agriculture

Ag Science I - This course is an introduction into Ag Education that includes units on leadership, careers, animal nutrition and reproduction, livestock production and ag mechanics.

- **Goals:** Students will be able to demonstrate knowledge of Agriculture careers and the importance of Leadership and the FFA, demonstrate an understanding of basic livestock concepts such as reproduction, nutrition and management and demonstrate the ability to properly keep records on their SAEP's.
- **Evaluation:** Students will be expected to read, discuss, and take notes and do projects related to the course.
- **Prerequisites:** Student must be enrolled in at least the 9th grade.
- **Length and Credit:** Ag Science I is a two semester course and is worth one unit of credit.

Ag Construction - This course utilizes welding in the development and constructions of major metal and wood shop projects.

- **Goals:** Students will be able to demonstrate an acceptable knowledge and proficiency in welding, be able to plan and draw out a project and compute a bill of sale and demonstrate safe working habits involved in construction
- **Evaluation:** Students will work independently on projects and will be required to complete a set number of projects in order to receive a satisfactory grade.
- **Prerequisites:** Students must have successfully completed Ag Science I.
- **Length and Credit:** Ag Construction is a two semester course and is worth one unit of credit.

Landscaping - This course includes the basic techniques of landscape design, construction, installation, and maintenance.

- **Goals:** Students will demonstrate an understanding of landscaping principles, identify landscape materials and methods and be able to successfully plan a landscaping design.
- **Evaluation:** The student will be responsible for reading articles, taking tests, and doing projects related to the course.
- **Prerequisites:** Students must have successfully completed Ag Science I.
- **Length and Credit:** Landscaping is a semester course and is worth 1/2 unit of credit.
- **Rotation:** Landscaping is offered in alternating years.

Greenhouse Operations/Management - This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will demonstrate procedures such as plants started from cutting, seeds, grafts, and layering.

- **Goals:** Students will be able to demonstrate an understanding of plant growth principles, identify good management practices involved in a greenhouse operation and be able to successfully plan and grow greenhouse crops.
- **Evaluation:** The student will be responsible to actively participate in class discussions, take tests, and do projects that are directly related to the course.
- **Prerequisites:** Students must have successfully completed Ag Science I.
- **Length and Credit:** Greenhouse Operations/Management is a semester course and is worth ½ unit of credit.
- **Rotation:** Greenhouse Operations/Management is offered in alternating years.

Agricultural Coop/Internship (SAE)- This course allows students to get “hands-on” experience in the workforce in the employment area of their choice.

- **Goal:** The goal of this course is to provide “on-the-job” instruction in an Ag-related field of the student’s choice.
- **Evaluation:** Students will be evaluated on weekly work logs, employer evaluations and their SAEP record book.
- **Entrance Requirement:** Students must be seniors with at least two years of participation in the Ag. Department.
- **Length/Credit:** The course will be one or two semesters (depending on the student’s needs), and therefore receive 1 or ½ credit.

Agricultural Management and Economics- This course combines farm management, agribusiness management, and content based on agricultural economic principles. This course is a rotating course offered every other year

- **Goal:** The goal of this course is to provide sound economic fundamentals to assist students in making business decisions.
- **Evaluation:** Students will be required to read, discuss, take notes, and do projects related to the class.
- **Entrance Requirement:** Students must have successfully completed Ag. Science I.
- **Length/Credit:** The course will be one year in length and is worth one credit.
- **Rotation:** Agricultural Management and Economics is offered in alternating years

Advanced Livestock- Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management and biotechnology may be included in this course. This course is a rotating course offered every other year.

- **Goal:** The goal of this course is to educate students on scientific principles and good management practices related to agricultural animal production.
- **Evaluation:** Students will be required to read, discuss, take notes, and do projects related to the class.
- **Entrance Requirement:** Students must have successfully completed Ag. Science I.
- **Length/Credit:** The course will be one year in length and is worth one credit.
- **Rotation:** Advanced Livestock is offered in alternating years

Advanced Animal Science- This course will prepare students for careers in the field of animal science. Students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

- **Goal:** To aid in the developing of a broader knowledge of agriculture and the roles it plays in everyday lives. To address current issues related to the animal industries. To provide individuals with a real approach to possible careers in the animal industries and veterinary sciences. To assist in making YOU (the student) a more marketable person in school, business and the industry.
- **Evaluation:** Students will be required to read, discuss, take notes, and do projects related to the class.
- **Entrance Requirement:** Students must have successfully completed Ag. Science I.
- **Length/Credit:** The course will be a semester in length and is worth ½ credit.
- **Rotation:** Landscaping is offered in alternating years

Crop Science-This course is designed to give students an understanding of soils, soil formation, soil types and classification, distribution of soil types geographically, the rates of soil formation, collection and analysis of soils and the causes and methods to address soil erosion. By the end of the course, you will know considerably more about the soil under your feet and how it got there and be able to impress your friends and family with your awe-inspiring knowledge of agronomy.

- **Goal:** To develop an understanding and knowledge of the basic and applied chemical, physical, and biological concepts in soil. To develop an understanding of the origin, classification, and distribution of soils and their relationship to people and food production. To develop an understanding of the management and conservation of soils. To develop an understanding of the environmental impact of soil use.
- **Evaluation:** Students will be required to read, discuss, take notes, and do projects related to the class.
- **Entrance Requirement:** Students must have successfully completed Ag. Science I.
- **Length/Credit:** The course will be a semester in length and is worth ½ credit.
- **Rotation:** Landscaping is offered in alternating years

Department of Fine Arts

Jazz Ensemble-Jazz ensemble provides students with the opportunity to explore a wide repertoire of popular music ranging from swing and other forms of jazz to rock n' roll and contemporary hits. This smaller ensemble includes alto saxophones, tenor saxophones, baritone saxophone, trumpets, trombones, piano, guitar, bass, drum set and auxiliary percussion. The jazz band performs at the winter and spring band concerts as well as other community performances throughout the school year. Instruction in improvisation and jazz technique are an integral part of this course.

- **Goals:** ~ R cRY] 'aUR Z b` VPNYN[Q'aRPU[VPNYNOVXAR` '[RPR` `N_f` S\`UTU¥^bNYaf`
] R_S\`Z` N[PR;`ORcRY] `N[`b[OR_` aN[QM T` \SaUR`V[QVcVObNY_\`YR`V[`aUR`R[`RZ` OYR`V[`
_RTN_Q`a\`ONM[PR;`OYR[Q;`Z` RY`Of;`N[Q`NPP\`Z`] N[VZ` R[a;`ORZ` \[`a`NaR`b[OR_` aN[QM T`
\S\`_TN[VjNaX [NYN[Q'aRPU[VPNY`_] Pj` YR` \`SMgg`Z` b` VP;`V[P;bQM T`OYbR` `
] _\`T`R` `X[`j` PNYR` j`N[Q`ON`VP`VZ`] _\`cV`NaX [NY` XWY`
- **Evaluation:** Students will perform in concerts and other events as needed for school and community events
- **Prerequisites:** Students must be enrolled in 8th grade or above and have prior approval from the Band Director. Students must maintain a passing grade to continue enrollment in band.
- **Length and Credit:** Jazz Ensemble is a two semester course and is worth one unit of credit.

Band - " [UV ' P\ b_ ' R' d' N\ f' R' N\ X [T' P\ b_ ' R' a' U' N\ a' N\ a' V' S' R' ' a' U' R' / V' R' ' ' a' T' N' O' b' N\ a' X [' _ R' ^ b' V' R' Z R [a' d' (UV ' P\ b_ ' R' d' W' Y' O' b' W' O' \ [' a' U' R' ' S' b [O' N' Z R [a' N' Y' X' W' Y' ' Y' R' N [R' O' V'] ' _ R' c' X' b' ' O' N [Q' P' M' ' R' ' d' (U' R' O' N [Q' d' W' Y' P\ Z] R' a' R' N' N' Z N' P' U' V [T' b [V' a' Q' b_ V [T' a' U' R' ' S' N' Y' ' R' Z R' a' R' _ j] N' a' V' P' V' N' a' V [T' N [Q] R' S_ Z V [T' V [' R' c' R' N' Y' N' R' N] N' N' O' R' ' d' b_ V [T' a' U' R' '] _ V [T' ' R' Z R' a' R' _ j ' a' U' R' O' N [Q] R' S_ Z ' N' N' P\ [P' R' a' R' [' R' Z O' Y' R' N [Q' ' R' c' R' ' N' ' a' U' R'] R [O' N [Q' S_ ' \$ N [a' U' R' _ N [Q' Z' N' O' f' \$ N [a' U' R' _ O' N' X' R' a' O' N' Y' T' N' Z R' ' d' (U' R' \$ N [a' U' R' _ \$ _ V' O' R' O' N [Q' ' d' W' Y'] _ R' R [a' N' a' Y' R' N' a' \ [R] b' O' Y' P' P\ [P' R' a'] R' ' R' Z R' a' R' _ N [Q' Z' N' f' N' Y' \] N' a' V' P' V' N' a' R' ' V [Q' V' a' V' P' a' N [Q' ' a' N' a' R' Z' b' ' V' P' S' R' a' c' N' Y' ' d' ' ' a' b' O' R [a' Z' b' ' a' Z' N [a' N [' N] N' ' V [T' T' _ N' O' R' R' N' P' U' ' R' Z R' a' R' _ a' \ P\ [a' V [b' R' R [_ \ Y' Z R [a' V [O' N [Q' d']

- **Goals:** [e' U' V' O' a' P' U' N' _ N' P' a' R' _ V' a' P' a' \ [R' j] _ \] R' _ V [a' \ [N' a' X [j' _ U' f' a' U' Z j' O' f [N' Z' V' P' j' N [Q'] U' _ N' V [T' j' O' R' Z \ [' a' N' a' R' _ R'] \ [' V' O' W' a' f' O' f' P' N' V [T' S_ V [' a' b' Z R [a' j' b [V' S_ Z ' j' N [Q' N' Y' R' ^ b' V] Z R [a' R' e' U' V' O' a'] _ \] R' _ R' U' R' N' _ N' Y' R' a' V' b' R' a' R' N' a' N' Y' a' Z R' ' d']
- **Evaluation:** Students will perform in parades, school concerts, and other public performances including pep band, district/conference honor bands, and solo/ensemble contest.
- **Prerequisites:** Students must be enrolled in 8th grade or above and have prior approval from the Band Director. Students must maintain a passing grade to continue enrollment in band.
- **Length and Credit:** Band is a two semester course and is worth one unit of credit.

Music of the World - (UV ' P\ b_ ' R' V' N\ f' R' N\ X [T' R' Y' P' a' c' R' d' \ _ a' U' \ [R' b [V' a' \ S' S [R' N' a' ' P' R' O' V' a' d' (UV ' P\ b_ ' R' d' W' Y' O' R' N [' R' e] Y' _ N' a' X [\ ' S' Z' b' ' V' P' S_ Z' ' c' N' _ V' b' ' P' b' Y' a' b' _ R' ' N [Q' a' Z' R] R' _ V' Q' ' N [Q' a' U' R' d' N' f' ' V [' d' U' V' P' U' Z' b' ' V' P] _ \ Z' \ a' R' ' ' R' Y' S' b [Q' R' _ a' N [Q' V [T' O' f' _ R' S' R' P' a' V [T' _ R' P' b_ V [T'] N' a' R' [' \ ' S' U' b' Z' N [' O' R' U' N' c' V' _ d']

- **Goals:** ' a' b' O' R [a' ' d' W' Y' W' a' R [' a' \ j' N [N' f' g' R' j' N [Q' O' R' P' _ V' O' R' Z' b' ' V' P' d' a' b' O' R [a' ' d' W' Y' O' R' N' O' Y' R' a' \ _ R' N' O' N [Q' [\ a' N' a' R' Z' b' ' V' P' d' a' b' O' R [a' ' d' W' Y' R' c' N' b' N' a' R' Z' b' ' V' P' N [Q' Z' b' ' V' P' N' Y] R' S_ Z N [P' R' ' d' ' a' b' O' R [a' ' d' W' Y' b [Q' R' _ a' N [Q' a' U' R' _ R' Y' N' a' X [\ ' U' V] O' R' a' d' R' R [' Z' b' ' V' P' j' a' U' R' \ a' U' R' _ N' a' j' N [Q' Q' V' P' V] Y [R' ' \ b' a' V' O' R' a' U' R' N' a' ' d' a' b' O' R [a' ' d' W' Y' b [Q' R' _ a' N [Q' Z' b' ' V' P' V [' _ R' Y' N' a' X [' a' \ U' V' a' \ _ f' ' N [Q' P' b' Y' a' b' _ R]
- **Evaluation:** Students are evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Music of the World is a two semester course and is worth one unit of credit.

Choir - This course is designed to help the student to read and understand music and to sing with proper technique. The areas of instruction covered in this course include a wide range of music, styles, and basic singing techniques, fundamentals of music, sight singing and memorization. Students will work on polishing their performance for concerts.

- **Goals:** Students will use proper techniques and learn fundamental skills related to performing music.
- **Evaluation:** Students are evaluated based on instructor observation and concert performances.
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Choir is a two semester course and is worth one unit of credit.

MUS 105: Western Music Appreciation-Western Music Appreciation explores the development of music from the Medieval Period to the present. Through this class students gain skills to listen and understand different types of classical music. The elements of music, music history and the relation of music and culture are explored through recorded and live performances of music. Through OTC's dual-credit program, students should receive 3 college credit hours by the end of the year. This is a Junior/Senior Level Course.

MUS 110: Music Fundamentals-Music Fundamentals is a general survey of basic music, including the rudiments of music such as notation, rhythmic understanding and chordal structures. The basic elements of music are taught and explored through the use of a textbook, recordings and live performances. Students are expected to attend musical events during the semester. Through OTC's dual-credit program, students should receive 3 college credit hours by the end of the year. This is a Junior/Senior Level Course.

Drama I - The purpose of this course is providing a basic theatrical foundation. This foundation will include various individual and group performances, technical theater aspects, stage design and construction, and the history of theatre.

- **Goals:** Students will demonstrate the knowledge of performance techniques through various live performances, demonstrate an understanding of the various technical positions in theater, demonstrate an understanding of basic theater history and demonstrate their knowledge of set construction.
 - **Evaluation:** Students will be evaluated through performance, class participation, tests, and quizzes.
 - **Prerequisites:** Students must be enrolled in at least the 9th Grade.
 - **Length and Credit:** Drama I is a two semester course and is worth one unit of credit.

Advanced Drama - This course is designed to direct students in a specialized area of drama and the theatre. Project based study may include: acting skills, stage directions, make-up, costumes, lighting, sound, set design/construction, and management. The following six areas will be emphasized during the course of study: speaking, listening, reading, writing, researching, and performing.

- **Goals:** Students will participate in the creation of a play and learn the six areas of communication.
- **Evaluation:** Students will be evaluated through performance, class participation, tests and quizzes.
- **Prerequisites:** Students must have successfully completed Drama I and have teacher permission.
- **Length and Credit:** Advanced Drama is a two semester course and is worth one unit of credit.

Introduction to Theatre - The purpose of this course is to give students an appreciation for the art of theatre. Study will include history, theory, analysis, career exploration, and various aspects of the theatre, including: styles of acting, technical theatre, stage, television, film, and video.

- **Goals:** Students will demonstrate a knowledge of theatre history as it relates to society and time period, demonstrate an appreciation of the various genres and styles of theatre, demonstrate appropriate audience behavior for various types of performance, and analyze various types of theatre arts.
- **Evaluation:** Students will be evaluated through class participation and assessments.
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Introduction to Theatre is a two semester course and is worth one unit of credit.

Art I - This is an introductory course in which students will experience art production, art criticism and art history through class critiques, lectures and most importantly hands on learning. The average student as well as the exceptional art students will be challenged with several types of art including drawing, watercolor painting, tempera painting, hand building with clay and poster design.

- **Goals:** Students will learn the fundamentals of creating art; principles and elements of artistic design.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be enrolled in at least the 9th Grade.
- **Length and Credit:** Art I is a two semester course and is worth one unit of credit.

Advanced Art-Advanced Art is a full year course designed for the advanced art student to further sharpen drawing skills and composition development. A variety of media and projects are provided to encourage development of compositional skills using the elements of art according to the principles of design. The student will also further develop drawing skills

- **Goals:** Students will learn the fundamentals of numerous media
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must have successfully completed Art I and be at least a sophomore.
- **Length and Credit:** Advanced Art is a year long course and is worth 1 unit of credit.

Department of Health & Physical Education

Physical Education - Students will be able to actively engage in multiple athletic and sporting activities.

- **Goals:** Student will learn the fundamentals of physical education and sporting activities.
- **Evaluation:** Students will be evaluated on meeting the dress code and participation.
- **Prerequisites:** Students must be enrolled in at least the 9th grade. Proper dress is required (shorts, t-shirts, shoes).
- **Length and Credit:** Physical Education is a two semester course and is worth one unit of credit.

Weights & Conditioning – This course will demonstrate proper weight lifting techniques and procedures.

- **Goals:** Students will learn the fundamentals of weightlifting and its procedures.
- **Evaluation:** Students will be evaluated on meeting the dress code and participation.
- **Prerequisites:** Students must be a sophomore and have successfully completed the Physical Education course.
- **Length and Credit:** Weights is a two semester course and is worth one unit of credit.

Health – This course explores the effects of the student's physical and intellectual actions on their lives. We will discover ways to evaluate your total health. Some of the topics discussed include self esteem, AIDS education, drug awareness, teenage suicide, runaways, sexually transmitted diseases, body systems, mental health and peer-pressure.

- **Goals:** Students will learn the fundamental principles related to health and major issues facing the health of our nation.
- **Evaluation:** Students will be evaluated by instructor observation and content testing.
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Health is a one semester course and is worth ½ unit of credit.

Misc. Electives

A+ Tutoring - The intent of this course is to provide tutoring opportunities for A+ students on campus during the school day.

- **Goals:** Students will gain skills in order to assist other students academically. During orientation, students will be advised regarding the expectations of the A+ coordinator and worksite supervisor. Other topics discussed will include professionalism, appropriate attire, privacy issues, responsibilities, and dependability.
- **Evaluation:** Students will be evaluated by maintaining, completing, and securing the work-site supervisor's signature on his/her A+ tutoring log. In addition to the tutoring log, tutors will be evaluated by their work supervisor at the conclusion of the semester. Tutors will earn approximately 60 hours of supervised and documented tutoring.
- **Prerequisites:** To enroll in this class, students MUST receive A+ Coordinator approval and meet the A+ requirements of a 2.5 GPA, 95% attendance, and good citizenship.
- **Length and Credit:** A+ Tutoring is a one semester course. Upon successful completion of the course students will be awarded ½ credit. The course may be repeated for credit.

Teacher/Office Aide-Senior students may work one period per day as an aide to school office personnel or a high school faculty member. Students must meet the qualifications set forth on Page 8 in the catalog. There is no credit given for this course. *Students must be approved through the counseling and high school office prior to scheduling.*

Speech & Debate-Speech and Debate is a co-curricular, competitive performance class. Debate teaches students how to participate in the rational exchange of ideas and arguments as they relate to significant social issues. A portion of the student grade comes from attending and recruiting judges for MCE's home tournament and district competitions.

- **Goals:** Speech events sharpen speaking and/or acting skills. Students are required to perform in class and will have the opportunity to attend several weekend competitions throughout the year.
- **Evaluation:** Students will be evaluated through class participation and assessments. A portion of the grade in this course will be dependent upon attending and recruiting judges for the MCE home tournament
- **Prerequisites:** Students must be enrolled in at least the 9th grade.
- **Length and Credit:** Speech & Debate is a two semester course and is worth one unit of elective credit.

OTC Career Center

Visit this website for detailed information:

<https://academics.otc.edu/careercenter/about-us/>

Enrollment at OTC through the Career Center is an excellent way for eligible high school students to get a jumpstart on their college education, engage in career exploration, prepare for a community college or four-year university, and develop skills needed in today's global economy and workforce. The specialized programs of studies available to high school juniors and seniors offer free instruction from the area's top career and technical educators, state-of-the-art equipment and academic and hands-on technology skills learning. The students may receive three high school elective credits each year. The Counseling Department has informational packets including course descriptions for interested students.

Rules for students attending OTC:

1. All Marion C. Early High School and OTC rules are to be followed.
2. All students must ride to and from OTC on the school bus provided unless special permission for other transportation has been granted in advance by the Principal's office. The bus driver will take attendance on the bus each morning, and report it to the Principal's office. Students must follow all MCE rules established for regular bus transportation when riding to OTC and back.
3. Upon returning to the high school, students must remain on school grounds.
4. Students attending OTC must attend afternoon classes at MCE unless they have completed all other credits.
5. Students may be removed from the OTC program for violation of these rules or any other school policy. If a student fails his/her OTC course(s), he/she will be returned to a regular class schedule at MCE.
6. If a student receives disciplinary consequences such as ISS or OSS, he or she will not be allowed to attend OTC on those suspension days.
7. Students must maintain passing grades on campus to continue second semester at OTC.

Courses Offered through OTC

ARTS & COMMUNICATIONS

OTC--Electronic Media Prod--Year 1	1728
OTC--Electronic Media Prod--Year 2	1729
OTC--Graphic Design Tech - Year 1	1744
OTC--Graphic Design Tech - Year 2	1746

BUSINESS, MANAGEMENT TECHNOLOGY

OTC--Computer Info Tech - Year 1	1724
OTC--Computer Info Tech - Year 2	1726
OTC--Networking Tech - Year 1	1725
OTC--Networking Tech - Year 2	1727

HEALTH SERVICES

OTC--Health Sci - Year 1	1795
OTC--Health Sci - Year 2	1796

HUMAN SERVICES

OTC--Culinary Arts	1768
OTC--Early Childhood Dev - Year 1	1799
OTC--Early Childhood Dev - Year 2	1800

INDUSTRIAL & ENGINEERING TECHNOLOGY

OTC--Auto Collision Repair Tech - Year 1	1712
OTC--Auto Collision Repair Tech - Year 2	1714
OTC--Automotive Tech - Year 1	1716
OTC--Automotive Tech - Year 2	1718
OTC--Construction Tech - Year 1	1760

OTC--Construction Tech - Year 2	1762
OTC--Diesel Tech - Year 1	1792
OTC--Diesel Tech - Year 2	1794
OTC--Drafting & Design Tech - Year 1	1748
OTC--Drafting & Design Tech - Year 2	1750
OTC--Electrical Trades	1720
OTC--Heating, Refrig, & Air Cond - Year 1	1736
OTC--Heating, Refrig, & Air Cond - Year 2	1738
OTC--Industrial Engineering Tech - Year 1	1836
OTC--Industrial Engineering Tech - Year 2	1837
OTC--Industrial Systems Tech - Year 1	1838
OTC--Industrial Systems Tech - Year 2	1839
OTC--Machine Tool Tech - Year 1	1798
OTC--Machine Tool Tech - Year 2	1822
OTC--Welding Tech - Year 1	1756
OTC--Welding Tech - Year 2	1758

NATURAL RESOURCES

OTC--Fire Science - Year 1	1731
OTC--Fire Science - Year 2	1733
OTC--Agriculture: Turf and Landscape - Year 1	1788
OTC--Agriculture: Turf and Landscape - Year 2	1790
OTC--Agriculture: Animal Science - Year 1	1802
OTC--Agriculture: Animal Science - Year 2	1803

OTC Online Dual Enrollment Options

Juniors & Seniors now have the option to enroll in an online dual enrollment course. These classes will not be considered a part of the Dual Enrollment Scholarship offered by MCE and cannot be substituted for a core course toward graduation. For more information about the classes listed below, find the same class code in [class descriptions](#) on the OTC website.

<u>Class Code</u>	<u>Class Title</u>
ART 100	Art and Experience
ART 105	Art History: Renaissance through Contemporary
BUS 115	Personal Finance (Seated Class Offered At MCE)
CIS 101	Technology and Digital Literacy
ENG 101	Composition I** (Seated Class Offered At MCE)
ENG 102	Composition II* (Seated Class Offered At MCE)
HST 120	US History: First Americans to Civil War
HST 130	US History: Reconstruction to the Present
MTH 128	Contemporary Mathematics*
MTH 130	Algebra* (Seated Class Offered At MCE)
PHY 105	Introduction to Physics***
PHY 110	Introduction to Geology***
PHY 115	Introduction to Astronomy***
PLS 101	American Government and Politics
PSY 110	Introduction to Psychology**
SOC 101	Introduction to Sociology**
SPN 101	Spanish I
SPN 102	Spanish II*

*Class has prerequisites.

CHM 160 is recommended for science and engineering majors. For students not interested in those majors, PHY 105 or PHY 110 are recommended. Prerequisite: grade of “C” or better in MTH 110 or higher, or satisfactory score on the ACT. CHM 160 has four to five required proctored exams.

ENG 102 can be taken after successful completion of ENG 101.

MTH 130 is recommended for science, engineering and math majors, or students seeking four-year business degrees. For students interested in other majors and careers, MTH 128 is recommended.

SPN 102 can be taken after successful completion of SPN 101.

**ENG 101 is recommended prior to PSY 110 and SOC 101. Students will be expected to have an understanding of MLA and/or APA format.

***PHY 105, 110, and 115 are all four credit hour courses requiring an online lab. A previous college level math class is recommended.