



MOREAU
CATHOLIC HIGH SCHOOL

COMPASSIONATE COLLEGE PREP

2018-2019 Course Description Guide

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❖ Pre-Registration

It is important that both students and parents read the course descriptions and prerequisites. Students should discuss course choices with both their parents and their counselor. Students will be required to take the courses for which they pre-register unless the student does not meet the published prerequisites, the class is canceled, or an irresolvable conflict in scheduling exists.

By mid-January, each student will complete a preliminary course request for the following school year. This *Course Description Guide* will be needed to complete the course request process. Counselors will schedule appointments with each student during the third quarter to review the student's requests and make changes as necessary.

- Please read the *Course Description Guide* thoroughly, including course prerequisites. By selecting an Honors or AP course, you are initiating an evaluation of your eligibility for that Honors or AP course.
- If your request for a particular Honors or AP course is not approved, a similar course will be substituted.

❖ Schedule Changes

Developing a course of studies for a student incorporates the student's wishes (as indicated on his/her preliminary course request), completion of prerequisites, the ability of the school to meet those requests, as well as the requests of other students.

Please note: If an irresolvable schedule conflict exists, alternate courses may be substituted at the discretion of the school. Therefore, it is necessary that alternate choices be selected with the same care as the student's first choices.

Students are provided with many opportunities to plan their schedules carefully. Therefore, students are expected to make a commitment to each course for its duration. Changing one course in a student's schedule most likely requires a change to the entire schedule. If students have questions about their selections or courses after the course change deadline has passed, they should see their counselor for assistance.

If a student does not receive a first choice or alternate selection, or if there was an administrative error, a request for a schedule change may be submitted to the counselor. The request must be made within the first three school days of each semester.

A student may not drop a yearlong course except under extenuating circumstances and only with permission from the counselor and the Assistant Principal of Instruction.

Course adds and drops are made at the semester. All requests for schedule changes, not based on administrative error, require a completed request form along with a \$20 fee.

❖ Graduation Requirements

To graduate from Moreau Catholic High School, an MCHS student must complete a four-year program of studies earning a minimum of 270 units (**1 semester = 5 units**). Please refer to the general requirements listed below to plan the choice of subjects for the coming year.

Students must also complete the required Holy Cross Social Justice Program which includes 60 hours of community service and completion of a Capstone project. Please refer to the Theology department requirements on page 20.

English	40 units
Mathematics	40 units
Theology	40 units
Social Studies	30 units
Science (Life & Physical)	30 units
World Language	20 units
<i>(must be in same language)</i>	
Physical Education	10 units
Visual and Performing Arts	10 units
Electives	50 units
TOTAL	270 units

❖ Transcript Information

Transcript information reflects a student's home address, date of birth, and courses attempted and completed at Moreau Catholic High School. (Transfer students, please read Section 5.13 in the Student-Parent Handbook). Cumulative GPA is based on a weighted grade point calculation on all course work completed in grades 9 to 12, excluding summer course work, using the Moreau Catholic grade point scale. A student's transcript does not contain information about a student's co-curricular activities, test scores, or discipline record. Moreau Catholic High School does not rank students' GPA.

Any student receiving a failing grade (F) in a required subject for Moreau Catholic must repeat that semester's work satisfactorily in an approved summer school course. Students receiving a D or F in a course required for college admission should remediate the course during summer school.

While we encourage students to participate in summer enrichment programs, including summer school, only course work that is used to fulfill pre-requisites for Moreau Catholic graduation requirements, or course pre-requisites, will be posted on the transcript, however, grades will not be calculated into the cumulative MCHS GPA. Only approved summer course work taken to remediate a D or F grade will be factored in the calculation of the cumulative GPA. Courses taken prior to the 9th grade year will not be posted. The Assistant Principal of Instruction must approve all courses.

Summer school courses can be taken at Moreau Catholic or at another school approved by the student's counselor or the Assistant Principal of Instruction. Students should check with their counselor to verify what courses or outside schools are approved for summer school credit.

Students and parents are reminded that they should retain a copy of the student's official transcripts for any courses completed in summer school or outside of Moreau Catholic to use in the college admissions process.

In establishing their admission requirements and computing admission grade point averages, colleges generally determine which courses will be considered and may include summer school courses.

***Only those courses listed on page 32 may be repeated for credit.**

❖ Transfer Students

Students transferring to Moreau Catholic will have their course placement determined by the Counseling Office. Honors and AP course placement will be made at the discretion of the counselor, appropriate department chairperson, and space availability.

Moreau Catholic will determine which courses from the previous high school(s) will be posted on the Moreau Catholic transcript and accepted for graduation. Those grades posted on the transcript shall be calculated into the students' cumulative GPA based on the Moreau Catholic grade point average scale.

International and domestic transfer students may have amended requirements when it comes to issues such as courses required for graduation, Holy Cross Social Justice hours, and courses that may be repeatable for credit.

❖ Advanced Placement Program (AP)

- **Students enrolled in AP courses are required to take the AP exam for each course.**
- **AP exam fees are due prior to each exam. (These fees are NOT included in tuition.)**
- **Only students enrolled in AP courses at MCHS will be registered for the respective AP examinations.**

The Advanced Placement Program at Moreau Catholic offers a college/university level curriculum for high school students. An AP course at Moreau Catholic will assess students by college/university level standards. It is expected that college/university level projects and activities that span a wide range of intellectual tasks will be assigned to the students. Students who sign up for AP courses must be highly motivated and make the AP course and exam a priority.

Students should carefully consider the level of difficulty that an advanced placement course, or courses, present and plan their schedule wisely. Any student who does not take the AP test will not receive Honors credit for the course; the student's report card will be amended to reflect a non-AP course title. Each AP class has a test fee that must be paid in November. All AP students will be notified in October of the test fee amount and payment schedule.

❖ College Planning

A balance of humanities, social studies, sciences, mathematics, arts and other subjects prepares students for a more diversified future.

Please note that a student must achieve a C or better in all college prep subjects to meet college requirements.

As students begin their college search, students should use their Family Connection account often to research entrance requirements and admissions statistics. They should begin keeping a list of colleges they are interested in and update it often.

There are five categories of higher education in California:

- Private Universities such as Stanford, Saint Mary's, Santa Clara, and Occidental
- The University of California campuses (public)
- The California State University system (public)
- The Community College system (public)
- Trade and Technical Schools

Out-of-state campuses are also available. Colleges and universities vary in curriculum, size, cost, location, student services, extent and nature of regulations, living conditions, and reputation.

For your reference, listed in the right column are the high school courses required for admission to the University of California and California State University systems.

The UC Eligibility Course List is on page 33.

The NCAA Eligibility Course List is on page 34.

❖ UC and CSU Entrance Requirements

• English	4 years
• Mathematics	3 years
<i>(Algebra 1, Geometry, Algebra 2)</i>	
• World History/U.S. History/Government	2 years
• Laboratory Science	2 years
<i>UC requires two of the following: Biology, Chemistry or Physics</i>	
<i>CSU requires: One year of a life science and one year of a physical science</i>	
• Language - other than English	2 years
<i>(2 years of the same World Language)</i>	
• Visual and Performing Arts	1 year
• Elective Courses	1 year
<i>Selected from English, Advanced Mathematics, Laboratory Science, Social Studies, Technology and Media Arts, World Language or Visual and Performing Arts</i>	

ENGLISH

THE PROGRAM

MCHS requires 40 units of English. All courses meet the UC “b” requirement unless otherwise noted.

HONORS PLACEMENT

Promotion from a college prep English course into an Honors English course: *Students must earn at least a 90% in both the fall and spring semesters and maintain no less than a 90% combined average among their critical essay grades. Students must also see their current English teacher for recommendation.*

Promotion from one Honors English course into the subsequent Honors English course: *Students must earn at least an 80% overall average of the two semester grades combined (i.e., a student may have 77% in one semester and 83% in the other).*

COURSES

102. English 9

Full year, 10 units, Grade 9

This course introduces students to the skills that will be carefully developed throughout the four-year program in English: close reading, writing, speaking, and listening. In particular, English 9 familiarizes students with strategies for research, composition, library use, vocabulary, and literary analysis.

104. Honors English 9

Full year, 10 units, Grade 9

Prerequisite: Placement by the Office of Admissions

This course focuses on the development of a strong essay format and close critical reading of the major genres in literature. In addition, students will advance their skills in vocabulary, grammar, and library research.

130. English for International Students

Full year, 10 units, Grades 9 or 10

Comment: This is an ESL course under the UC System

This course is required for all entering International students. It is designed to facilitate students' success in their coursework and their language skills as they enter their course of study at Moreau Catholic. Focused on the development of skills in reading, writing, speaking, and listening through a variety of media and topics, this course provides linguistic support and assistance through numerous research-based strategies and activities.

108. English 10

Full year, 10 units, Grade 10

This course includes extensive review and practice in writing essays; reading and comprehending literature with an emphasis on the short story, the novel, and the play; language arts development; and vocabulary enrichment. Students are assigned their first major research paper.

110. Honors English 10

Full year, 10 units, Grade 10

Prerequisite: Please read the Honors prerequisite statement above.

Through an historical survey of the major genres of American literature, this advanced course provides extensive practice in critical reading and writing, speaking and listening, language arts, and vocabulary enrichment.

114. English 11

Full year, 10 units, Grade 11

A close study of the major genres within the rich literary heritage of the United States, English 11 combines the development of expository writing and research skills. Students will write several expository essays, including a research paper (MLA Style), as they develop an understanding of the American identity expressed through traditional, modern, and multi-cultural literature.

116. Honors English 11

Full year, 10 units, Grade 11

Prerequisite: Please read the Honors prerequisite statement above.

This advanced English course consists of composition, grammar review, vocabulary, and literature. Students will study major British novelists, dramatists, and poets while developing skills in analyzing and writing about literature. This course is a prerequisite for the Advanced Placement English program.

Senior Requirement:

Seniors must choose between the following to complete their English requirement for their 12th grade year:

2 semesters English electives

or

1 year Advanced Placement English Literature

120. Advanced Placement English Literature

Full year, 10 units, Grade 12

Prerequisite: B average in Honors English 11. Students must see the Department Chair for additional information.

Designed to train students in the skills of critical reading and writing by college level standards, this challenging course is an analytical survey of long and short fiction, poetry, and nonfiction. Students will receive intensive training in a variety of methods in critical thinking, reading, and writing. All students enrolled in this course must take the Advanced Placement exam in AP English: Literature & Composition.

123. Essay as Literature
Semester, 5 units, Grade 12

Prerequisite: Based on the results of the school-wide writing sample administered junior year, students will be invited to enroll in this course. Some students may be required to enroll in this course.

Students in this course will be introduced to various modes of expository writing and will develop the skills necessary to writing in any expository mode. Some literature will be introduced to students as models of the various patterns of exposition as their skills in written communication develop.

129. Advanced Composition (Honors)
Semester, 5 units, Grade 12

Prerequisite: Placement is based on the results of the school-wide writing sample administered junior year. Students will be invited to enroll in this course.

This is an advanced course in expository writing with emphasis on style development and expository and argumentative techniques. This course should be especially useful for the student intending to attend a four-year college.

149. Shakespeare for All Ages
Semester, 5 units, Grades 11-12

“He is not for an age but for all time.” This course is an opportunity to get to know Shakespeare, a writer who speaks to issues as current as love, loyalty, virtue, reality, and growing up. The course involves the study of the man and the artist, the Elizabethan poet, and the man for our time. The age he lived in, his stage, and his art will be studied but with emphasis on those themes and ideas in his works that are timeless.

152. Senior Seminar
Semester, 5 units, Grade 12

Designed as a concentrated study of the literary works of one author or genre, Senior Seminar provides students with the opportunity to explore and understand a variety of perspectives regarding the contributions of a single author or genre and their importance to our world. In focusing on only one author or genre, students will be able to explore and examine in depth the various dimensions of the creative process and critical responses to it. The subject of this year’s seminar will be announced in January at the start of pre-registraion.

The following English electives are offered to 11th & 12th graders on an alternating schedule.

***Offered 2018-2019, but not 2019-2020**
121. Science Fiction/Utopian Literature
125. Twentieth Century Literature
145. Ethnic Literature

121. Science Fiction/Utopian Literature*
Semester, 5 units, Grades 11-12

Science fiction has never been more relevant. Smart homes, self-driving cars, artificial intelligence, and Mars exploration, are no loner just the stuff of imagination! This course offers an exciting opportunity to consider the implications and future of our Brave New World. This semester long course examines both contemporary and classic science fiction literature and film. By proposing possible visions of the future, science fiction asks questions of us--of humanity, of Earth, of individuals--that we wouldn't ordinarily ask ourselves. Who are we? Where are we going? Does what we do today matter? Real science fiction is as close to an intense discussion of philosophy as you can get while still reading fast-paced, page-turning fiction.

125. Twentieth Century Literature*
Semester, 5 units, Grades 11-12

Twentieth Century Literature focuses on major trends in the modern novel, poetry, and short stories, including works from a variety of geographical, ethnic, and cultural sources. Shifting values and historical influences will be examined for their effect on modern literature.

145. Ethnic Literature*
Semester, 5 units, Grades 11-12

Ethnic literature refers to that body of literature that expresses the realities, experiences, and perspectives of first and second generation American immigrants from around the world, such as Asia, Africa, South America, the Caribbean, to name a few. It is written in English, not in translation, and the authors are most often American citizens whose cultural and familial traditions are also firmly rooted in the heritage of their parents and grandparents. The themes are unique to the represented culture and at the same time universal to the human experience: identity, struggle, self-discovery, and the challenges that come with change – whether it is voluntary or forced.

****Offered 2019-2020, but not 2018-2019**

136. *Myth and Folklore*

139. *Great Books*

147. *Women's Literature*

151. *World Literature*

136. *Myth and Folklore***

Semester, 5 units, Grades 11-12

Throughout history, seeking inspiration and wisdom, the world's artistic and literary traditions have drawn upon the characters and situations presented first in the myths and folklore of our ancestors; and now you can be too. This course is designed to introduce students to the myths and folklore of many different cultures: Greek, Roman, Native American, Asian, African, Scandinavian, and others. We will explore the types of wisdom captured by myths; the bridges built between cultures by their common myths and legends, and the connections these tales have with the circumstances of modern life.

139. *Great Books***

Semester, 5 units, Grades 11-12

This course is intended to stimulate the student's awareness of great ideas and philosophies through classic works of world literature. The focus here is on reading and discussion, developing interpretive questions, and journal and essay writing.

147. *Women's Literature***

Semester, 5 units, Grades 11-12

This course will survey works of fiction, poetry and nonfiction written by women whose primary, but not sole, focus is on women's experience of the world. Subjects will include personal relationships, marriage and family, career and economic status, independence and/or the lack thereof. Through this literature, students will examine traditional and new models of women's roles and their effects on society.

151. *World Literature***

Semester, 5 units, Grades 11-12

This course will introduce students to major works and writers from Africa, the Middle East, Asia, Europe, and South and Central America with reference to the philosophical, social, political, historic, and economic backgrounds of the writers and their works. Strongly recommended for students taking the 3rd or 4th year of a foreign language.

MATHEMATICS

THE PROGRAM

MCHS requires 40 units of mathematics. All students must complete Algebra 2.

The Mathematics Department provides college preparatory courses that are UC approved. All courses meet the UC "c" requirement unless otherwise noted.

A multi-representational approach to functions is made in all of our classes. We include level-appropriate activities that involve graphing calculators, Geometer's Sketchpad, and statistical software. Algebra 1, Geometry and Honors Geometry require a scientific calculator. All other classes require a graphing calculator. The TI84 is recommended.

Students who are in a non-honors math course have the opportunity to advance to an honors course the following school year if they display mastery of content and meet the grade requirement for the desired course. Opportunities for acceleration during the summer are available for students enrolled in honors courses during the academic year prior to their attempted acceleration. Placement in a desired course for honors students who take a summer jump class outside of MCHS will be dependent upon the grade received, as well as an 83% or higher on the diagnostic test given by the Mathematics Department. The Mathematics Department recommends taking summer jump courses through MCHS only, and does not recommend online math courses.

Please read the prerequisites carefully as stated in this guide. All math course prerequisites are determined using grades from both semester 1 and semester 2, unless otherwise noted.

COURSES

202. Algebra 1 (STEM)

Full year, 10 units

This course deals with basic algebraic concepts: sets, equations, inequalities, functions and the operations and applications for real numbers. Methods and applications stressing word problems are presented throughout the course, using linear equations and inequalities, simultaneous and quadratic equations.

1203. Integrated Math (STEM)

Full year, 10 units

Prerequisite: Placement by the Office of Admissions.

This is the first of a three-part sequence for the math component of the St. Andre Program.

213. Honors Algebra 2 (Frosh) (STEM)

Full year, 10 units

Prerequisite: Placement based on performance on the placement test and/or the Algebra Diagnostic Exam.

This course will cover the content of *Algebra 1* and *Algebra 2* at an accelerated pace. This course is designed for students who have a strong background in Algebra.

206. Geometry (STEM)

Full year, 10 units

Prerequisite: Completion of one year of Algebra 1 with a C- or better in the 2nd semester.

The concepts of congruence, similarity, and the Pythagorean theorem and its applications will be studied, including an introduction to trigonometry. Coordinate geometry will be covered, as well as geometric applications of algebra. There will be some geometric proof.

208. Honors Geometry (STEM)

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Honors Algebra 2 (Frosh) with a B or better or*
- *Completion of Algebra 1 with an A*

This course explores Euclidean Geometry from identifying geometric figures to proving relationships related to these figures. Students will be challenged to think creatively, reason logically and communicate effectively. In addition, students will explore the interdependence between algebra and geometry.

212. Algebra 2 (STEM)

Full year, 10 units

Prerequisite: Completion of one year of Algebra 1 AND one year of Geometry with a C- or better in the 2nd semester.

Topics of first year algebra are intensified and expanded with an emphasis on problem solving. The course deals with coordinate systems, systems of linear inequalities and systems of linear equations in three variables, logarithms, complex numbers, quadratic relations and conics.

214. Honors Algebra 2 (STEM)

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Geometry with an A or*
- *Completion of Honors Geometry with a B or better*

This course will thoroughly cover *Algebra 2* with additional problems and exercises of a more difficult type.

215. Math Modeling (STEM)

Full year, 10 Units Grade 12

Prerequisite: Completion of three years of math with a grade of C- or better in Algebra 2.

Comment: This course meets the UC "g" requirement.

In this course, students will be exposed to mathematics through critical thinking and problem solving with selected topics from Geometry, Analysis and Trigonometry, Algebra 2 and Statistics through real-life applications. Throughout this course, students will learn to think with and apply mathematics and will show mastery through culminating projects. Students will also learn to apply previously learned concepts to make decisions, studying financial mathematics concepts and inferential statistics through the lens of their own environment.

216. Analysis and Trigonometry (STEM)

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Algebra 2 with a C- or better in both semesters or*
- *Completion of Geometry or Honors Geometry with a C- or better if preceded by completion of Honors Algebra 2 (Frosh)*

This course will study relations and functions, matrices, sequences and series, vectors, trigonometric functions and identities, elementary plane analytic geometry, conic sections, functions and their graphs, and exponential and logarithmic functions.

217. Pre-Calculus (STEM)

Full year, 10 units

Prerequisite: Completion of Analysis and Trigonometry with a C- or better in both semesters

Pre-Calculus combines many of the algebraic, geometric, and trigonometric techniques needed to prepare students for the study of calculus. This course will approach those areas from a functional point of view and will also strengthen student's mathematical reasoning and problem solving.

218. Honors Pre-Calculus (STEM)

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Geometry with an A, or Honors Geometry with a B or better, if preceded by Honors Algebra 2 (Frosh) with a B or better or*
- *Completion of Honors Algebra 2 with a B or better or*
- *Completion of Algebra 2 with an A or*
- *Completion of Analysis & Trigonometry with an A in both semesters*

Success in a Calculus course depends upon having acquired a thorough understanding of functions. In this course, considerable emphasis will be given to functions and their graphs. Polynomial, logarithmic, exponential, and trigonometric and circular functions and their inverses will be treated extensively.

220. Advanced Placement Calculus AB

(STEM)

Full year, 10 units

Prerequisite: Completion of Honors Pre-Calculus with a B or better in both semesters.

Topics covered include limits and continuity, differentiation, applications of the derivative, integration, methods of integration and applications of the integral to surfaces revolution. Practical applications, particularly from Physics will be emphasized. Students enrolled in this course must take the Advanced Placement test in Calculus AB.

224. Advanced Placement Calculus BC

(STEM)

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Calculus AB with a B or better or*
- *Completion of Calculus AB with a C or better and an AP Calculus AB score of 3 or higher*

This course covers the topics of a second semester college level Calculus course. After a review of the content of AP Calculus AB, the course moves on to cover new types of derivative calculations using Euler's method and L'Hopital's rule. New integration methods are partial fractions, improper integrals, and logistic integration. Polar, parametric, and vector functions, as well as their derivatives and integrals are analyzed. Numerical integration methods are polynomial approximations and Taylor series. Students enrolled in this course must take the Advanced Placement test in Calculus BC.

232. Advanced Placement Statistics (STEM)

Full Year, 10 units

Prerequisite: One of the following:

- *Completion of Honors Geometry with a C or better, if preceded by Honors Algebra 2 (Frosh) or*
- *Completion of Algebra 2 with an A or*
- *Completion of Algebra 2 Honors with a B or better or*
- *Completion of Analysis & Trigonometry with a C or better or*
- *Completion of Pre-Calculus or Honors Pre-Calculus with a C or better*

This is an application-based course. Students should have a strong foundation in reading and writing, as this is an English language and writing intensive course. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will work on projects involving the hands-on gathering and analysis of real world data. Ideas and computations presented in this course have immediate links and connections with actual events. Computers and calculators will allow students to focus deeply on the concepts involved in statistics. Students enrolled in this course must take the Advanced Placement test in Statistics.

233. Multivariable Calculus (STEM)

Full Year, 10 units

Prerequisite: One of the following:

- Completion Calculus BC with a B or better or
- Completion of Calculus BC with a C or better **and** an AP Calculus BC score of 3 or higher

This course covers topics such as vector and geometry of space, vector functions, space curve derivatives and integrals of vector functions and motion of particle in space. Further, double and triple integrals, volume under a surface with double and triple integrals, as well as partial derivatives, gradient, divergence, and curl will be discussed. The course will also look at forms of derivatives in multi directions, line integral of scalar and vector valued functions, Green theorem, 2-D divergence theorem, surface integrals, Stokes theorem, parameterizing a surface integral, divergence theorem intuition, and proof of regions in 3-D.

All students are required to complete 4 years of mathematics. Please check the mathematics course prerequisites. Students should consult their counselor for assistance in choosing the most suitable sequence of math courses for their graduation plan. Math teachers are also available for help with course suggestions.

REQUIRED MATHEMATICS COURSES				
ONE OF THE FOLLOWING:		ONE OF THE FOLLOWING:		ONE OF THE FOLLOWING:
Algebra 1 - TTO		Geometry		Algebra 2
Algebra 1		Honors Geometry		Honors Algebra 2
Honors Algebra 2 (Frosh)				

UPPER DIVISION MATHEMATICS COURSE ELECTIVES			
<i>(Please consult with your counselor as to which course is best suited for you)</i>			
Mathematical Modeling	Analysis & Trigonometry	Pre-Calculus	Honors Pre-Calculus
AP Calculus AB	AP Calculus BC	AP Statistics	Multivariable Calculus

PHYSICAL EDUCATION

THE PROGRAM

MCHS requires 10 units of Physical Education. All students are required to complete the California state required health education unit, which is incorporated into the PE curriculum.

COURSES

550. Boys P.E./Health

552. Girls P.E./Health

Full year, 10 units, Grade 9

This course is required for all 9th grade students, unless otherwise indicated by the Office of Admissions. The course will serve to build a foundation in technique of skill, knowledge of rules and understanding the strategies of various sports, as well as increasing the level of physical fitness. This course also meets the State Graduation Requirement for Health Education.

555. Intermediate P.E. – Sports

Semester, 5 units, Grades 10-12

Prerequisite: PE/Health

This course develops skill and knowledge of **life and team** sport activities in a **coed** atmosphere. Students build on the foundation of the 9th grade curriculum and learn to appreciate the use of physical activity as a lifetime goal. The course will focus on fitness development with an emphasis on strength and endurance.

562. Intermediate P.E. – Life Fitness

Semester, 5 units, Grades 10-12

Prerequisite: PE/Health

Life Fitness is a semester-long course designed for the individual to develop an understanding of the body and dynamic alignment. This course will focus on creating a positive association with activity by providing students with experiences in non-traditional individual activities.

571. Advanced Physical Education

Semester, 5 units, Grades 11-12

Prerequisite: Completion of Intermediate P.E.

This is an elective course open to 11th & 12th grade students. The course will build on the Intermediate P.E. curriculum, includes activities such as volleyball, basketball, badminton, flag football, softball and soccer, as well as other activities, both team and individual. This course will push students to the next level of competition and will demand a high level of participation and effort. Students will also be introduced to advanced strategies, officiating, rule development and adaptation.

563. Advanced Weight Training & Conditioning

Semester, 5 units, Grades 10-12

Prerequisite: Completion of P.E. requirement.

Comment: This course may be repeated for credit.

This is an elective course open to 11th & 12th grade students. This class is designed to develop and maximize athletic performance through various methods and concepts of strength and conditioning. Individual programs will be designed and implemented to help each student meet individual needs to perform at his/her highest level. Students will gain an insight and understanding of muscles and muscle function as it relates to athletic performance training.

579. Peak Performance

Semester, 5 units, Grades 11-12

Prerequisite: Completion of P.E. requirement.

Comment: This course may be repeated for credit.

This course is designed to help student-athletes increase performance through strength and conditioning. The class will identify demands of the sport then create a sport specific strength and conditioning program that analyzes and variates the volume and intensity for desired results or max performance. We will focus on Olympic Lifting, plyometrics, speed and agility, form running, cross fit, and incline running.

580. Advanced Physical Education- Movement for Athletes

Semester, 5 units, Grades 11-12

Prerequisite: Completion of Intermediate P.E.

Comment: This course may be repeated for credit.

This course develops skills and knowledge of movement patterns and efficiency for athletes (includes dancers, rally squad and athletes). Areas of focus are balance, core development, flexibility, and injury prevention. Activities that will be explored include yoga, Pilates, and ballet barre. This class' primary focus will be to transfer knowledge from the classroom to the athletic arena.

573/574. Physical Education Teaching Assistant

Semester, 5 units, Grades 10-12

Prerequisite: Completion of P.E. requirement.

Comment: This course requires approval of the department chair. This course may be repeated for credit.

This elective course is designed to increase the student's knowledge of the discipline of Physical Education and to provide a means for the study of career opportunities in this field. The student is to function in the capacity of a class aide and be involved in observing, studying, and participating in the instruction of physical activities primarily for the ninth grade classes.

SCIENCE

THE PROGRAM

MCHS requires 30 units of science. All students at MCHS are required to take a minimum of 10 units of a Life Science and 10 units of a Physical Science. All courses in science meet the UC "d" (lab) requirement, unless otherwise noted.

Please note: Prerequisites noted for Science are based on yearlong averages.

The MCHS Office of Admissions will determine science course placement for 9th graders.

LIFE SCIENCE COURSES

502. Biology (STEM)

Full year, 10 units, Grades 9-10

This course will introduce students to the study of life. Laboratory investigations will utilize the scientific method to study cell structure in plants and animals, DNA and heredity, evolution, and the interaction between populations and ecosystems. Laboratory investigation will include hypothesis testing through data collection and analysis, resulting in conclusion being drawn from data interpretation. Laboratory experiences will also strengthen problem-solving skills and teach basic lab techniques.

503. Honors Biology (STEM)

Full year, 10 units, Grades 9-12

Prerequisite:

- *Completion of Conceptual Physics with an A average*

This course will cover topics similar to those in Biology, but with more depth. Emphasis is placed on critical thinking and problem solving using the scientific method in the lab. Other topics covered will include introductory botany, human biology, and ethics in science. Laboratory investigations and writing will constitute a large part of this class.

504. Advanced Placement Biology (STEM)

Full year, 10 units, Grades 10-12

Prerequisite:

- *Completion of Biology with an A or*
- *Completion of Honors Biology with a B- or better and a GPA of 3.4 or higher*

As a sequential examination of life from pre-cellular theories through the change of living systems to a consideration of the multi-cellular life forms, this laboratory and lecture/discussion course is a challenging, college level course requiring a significant commitment of the student's time and energy. A.P. Biology explores 4 main life science concepts: A) the diversity but also unity through the process of evolution; B) the transfer of energy and molecular building blocks to grow but also maintain

homeostasis; C) the storage, transmission, and response to information essential to life; and D) the interaction of biological systems. Students enrolled in this course must take the Advanced Placement test in Biology.

506. Anatomy and Physiology (STEM)

Full year, 10 units, Grades 11-12

Prerequisite: Completion of 2 science courses

This life science course is designed to provide a basic foundation in human biology. Emphasis will be placed on the integration of systems of the human body as they relate to normal health. Students will be introduced to the integumentary, skeletal, muscular, respiratory, cardiovascular, digestive, and nervous systems. Laboratory investigations will provide students with hands-on experience to explore anatomical structures and human physiology.

507. Honors Anatomy and Physiology (STEM)

Full year, 10 units, Grades 11-12

Prerequisite:

- *Completion of Biology with an A, or*
- *Completion of Honors Biology with a B or better*

This course is a rigorously paced advanced life science course that will prepare students for the challenging college level material that will be encountered in pursuit of careers in fields such as medical professions, biological studies, biomedical engineering, and other health field based careers. The skills the course will develop range from effective methods of learning numerous anatomical structures and the proper scientific vocabulary to describing their locations and functions, to making both qualitative and quantitative analysis in laboratory exercises. Anatomy in Clay® Manikens will be utilized to allow students to "build" the major human systems. This course will provide students the opportunity to engage in deeper content knowledge related to human anatomy and physiology as well as expose students to the expectations and responsibility of a higher-level scientific environment.

508. Introductory Kinesiology and Applied Physiology (STEM)

Full year, 10 units, Grades 10-12

Prerequisite:

- *Completion of Biology with a B or better, or*
- *Completion of Honors Biology with a C- or better, or*
- *Completion of Anatomy & Physiology with a B or better*

This course is an advanced life science course designed to prepare students who are interested in medically-related and fitness-related fields such as medicine, athletic training/sports medicine, physical therapy, occupational therapy, strength & conditioning, and personal training. Students will gain an understanding of how human movement occurs, the factors that directly or indirectly influence

movement, and movement's relationship to human health, disease and injury. Students will experience lab work related to normal and abnormal anatomy & physiology, biomechanics, and injury management.

509. Biotechnology 1 (STEM)

Full Year, 10 units, Grades 10-12

Prerequisite:

- *Completion of Biology with a B or better or, completion of Honors Biology with a C- or better*

This course combines academic and technical training to prepare students for careers in the biotechnology industry. The focus of Biotechnology 1 is on the mastery of basic standard laboratory operating procedures. Students will learn sterile technique, cell culture, DNA and protein isolation, and electrophoresis. Record keeping, safety and proper use of equipment are stressed throughout the course.

510. Biotechnology 2 (STEM)

Full Year, 10 units, Grades 11-12

Prerequisite:

- *Completion of Biotechnology 1 with a C- or better*

This course will build on the skills developed in Biotechnology 1. Emphasis will be placed on assay development, spectrophotometry, recombinant DNA technology and bacterial transformation.

PHYSICAL SCIENCE COURSES

526. Conceptual Physics (STEM)

Full Year, 10 Units

This is an introductory lab-based course in Physics. Emphasis will be placed on conceptual understanding and description of the major principles of Physics. The course will also focus on science process skills. Topics of study will include force and motion, energy and momentum, waves, and electricity and magnetism.

514. Chemistry (STEM)

Full year, 10 units, Grades 10-12

Prerequisite:

- *Completion of Biology or Honors Biology with a C- or better or*
- *Completion of Conceptual Physics with a C- or better*

This course emphasizes the fundamental principles of structure and behavior of matter. Chemistry is introduced through the study of matter and energy, elements and compounds, and different types of chemical reactions. Other topics covered include molecular formulas, molar relationships, bonding, and types and properties of solutions. Laboratory experiences strengthen problem-solving skills and teach basic lab techniques, building on prior lab experiences. This course is less mathematically oriented than the Honors Chemistry course.

515. Honors Chemistry (STEM)

Full year, 10 units, Grades 10-12

Prerequisite: One of the following:

- *Completion of Biology with an A or*
- *Completion of Honors Biology with a B or better or*
- *Completion of AP Biology with a B or better*

This course covers topics similar to those in Chemistry, but with more depth and is more mathematically oriented. Emphasis is placed on chemical calculations and deductive reasoning. Other topics covered include chemical nomenclature, writing balanced chemical equations and reactions, stoichiometry, thermodynamics, and reaction rates. Laboratory investigations are of a more sophisticated nature than in Chemistry. This course will prepare students for college level chemistry.

516. Advanced Placement Chemistry (STEM)

Full year, 10 units, Grades 11-12

Prerequisite:

- *Completion of Honors Chemistry with a B or better AND*
- *Completion of Algebra 2 with a B+ or better or Honors Algebra 2 or Honors Algebra 2 (Frosh) with a B or better AND*
- *Completion of summer Homework Packet as review and preparation for this course*

The AP Chemistry course provides students with the equivalent of an introductory first year course sequence in College Chemistry. The lab component of this course uses the guided-inquiry format, which provides students with the opportunity to develop critical thinking and reasoning skills. At the same time, students develop and apply science practices and skills used by scientists, which lead them to improve their understanding of Chemical concepts as they explore topics such as: chemical reactions, kinetics, intermolecular forces and bonding, atomic structure, electrochemistry, equilibrium and thermodynamics. Because this is an intensive course, meetings outside of class time may be required. Students enrolled in this course will be required to take the Advanced Placement Test in Chemistry. Recommended for students who are considering a major in science, math, or engineering.

518. Physics (STEM)

Full year, 10 units, Grades 11-12

Prerequisite:

- *Completion of Algebra 2 with a B- or better.*

This course is a study of the physical world. It includes a study of matter and motion and their relationship to each other: energy, forces, projectile motion, momentum, sound waves, light, electricity, magnetism and modern physics. This course emphasizes the main concepts of physics with an emphasis on the discovery of physical principles through problem solving and lab work.

528. Advanced Placement Physics 1 (STEM)

Full year, 10 units, Grades 11-12

Prerequisites:

- *Completion of Honors Chemistry with an A- or better or completion of AP Chemistry with a B- or better or completion of Physics with a B- or better AND*
- *Completion of, or concurrent enrollment in, Honors Pre-Calculus*

This advanced course will focus on scientific inquiry by way of concepts in Algebra based Physics. Students will learn general science methods, such as representing concepts through models and mathematics, as well as conducting research through experimentation, data collection and data analysis. The Physics concepts covered in this course include: Systems, fields, Newton's Laws of Motion, Energy, Momentum, Circular Motion, and Mechanical Wave Phenomena. This course is strongly recommended for those majoring in Physical Sciences or Engineering. Students taking this course are required to take the AP exam in May.

543. Advanced Placement Environmental Science (STEM)

Full year, 10 units, Grades 11-12

Prerequisite:

- *Completion of Biology with an A or*
- *Completion of Honors Biology with a B or better or AP Biology with a B or better and*
- *Completion of Conceptual Physics with an A or*
- *Completion of Chemistry with a B or better or Physics with a B or better*
- **And a GPA of 3.4 or higher**

Students in this course will explore and investigate the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Students will participate in hands-on, laboratory and field investigations to apply scientific principles, concepts, and methodologies in order to better understand our natural systems and to critically think about environmental issues and potential solutions.

260. Robotics Engineering (STEM)

Semester, 5 units, Grades 10 - 12

Comment: This course meets the UC "g" requirement.

This course is an introduction to the engineering process of problem solving through the use of robotics. The course will involve constructing robots, programming their movements, incorporating input from sensors, all with the goal of performing increasingly complicated tasks. For students interested in pursuing Computer Science after this course, the appropriate course would be Advanced Placement Computer Science Principles.

The following Science electives are offered to 10th - 12th graders on an alternating schedule.

Offered 2018-2019 but not 2019-2020*

530. Engineering Design (STEM)

Offered 2019-2020, but not 2018-2019**

531. Green Engineering (STEM)**

530. Engineering 1: Design (STEM)*

Semester, 5 units, Grades 10-12

Prerequisite:

- *Concurrent enrollment in, or completion of, Algebra 2*

Comment: This course meets the UC "g" requirement.

Engineering Design is a project-based course that provides an introduction to the engineering discipline. Students work in engineering teams when completing projects. Students learn the basic process of engineering design and apply it to all projects. Students also make connections to the various engineering disciplines, such as civil engineering and rocketry. This course emphasizes communicating designs with drafting and modeling as well as analysis through prototyping. Students will produce a portfolio of work along with completed projects.

531. Green Engineering (STEM)**

Semester, 5 units, Grades 10-12

Prerequisite:

- *Concurrent enrollment in, or completion of, Algebra 2*

Comment: This course meets the UC "g" requirement.

Green Engineering is a project-based engineering course that focuses on green technologies. Students in Green Engineering investigate the various green technologies being developed and refined today, such as solar and wind-generated power and alternative fuel vehicles. In this course, students also learn and apply the basic process of engineering design while working in engineering teams. This course emphasizes communicating designs through drafting and modeling as well as analysis through prototyping. Students will produce a portfolio of work along with completed projects.

SOCIAL STUDIES

THE PROGRAM

MCHS requires 30 units of Social Studies: 10 units in World History, 10 units in United States history, 5 units in Government, and 5 units in Economics.

The following courses fulfill the California State Social Studies requirement:

- World History, Honors World History
- American Government, AP American Government
- Economics, AP Macroeconomics
- AP Comparative Government

COURSES

402. World History

Full year, 10 units, Grade 10

Comment: This course meets the UC "a" requirement.

This course satisfies the California State requirement for the teaching of World History. The course surveys the modernization of the western world, starting with the introduction of democratic thought with the Ancient Greeks and Romans, its rise through the Enlightenment and continuing to the French Revolution through the end of World War I and setting the stage for World War II.

405. Honors World History

Full year, 10 units, Grade 10

Prerequisite: 3.4 cumulative GPA and successful performance on required "data based question".

Comment: This course meets the UC "a" requirement.

Honors World History will be a full year survey of the history of the world from ancient times through the first decade of the Cold War Era. The assigned text will provide the organizational core of the curriculum. However, students will be challenged in the following additional areas: (1) the development of students' critical thinking skills through assignments involving their interpretation and analysis of the original source materials, (2) the development of their social science research skills, and (3) use of technology in both research and presentation of assignments.

404. U.S. History

Full year, 10 units, Grade 11

Comment: This course meets the UC "a" requirement.

This course satisfies the California State requirement for a survey of American history. This course presents students with the various forces and factors that have affected the development of the nation from the Age of Exploration to the present. Students will be called upon to examine America's domestic and foreign policies, both past and present, to understand the nation's role in the world of today and tomorrow, and develop an understanding of the physical geography of North America.

406. Advanced Placement U.S. History

Full year, 10 units, Grade 11

Prerequisite: 3.4 cumulative GPA

Comment: This course meets the UC "a" requirement.

Students will evaluate and interpret various problems in American history, read historical sources and develop skills in formulating theses and generalizations. The class is intended for the student who is interested in historiography and American history. Students enrolled in this course must take the Advanced Placement test in U.S. History.

407. American Government

Semester, 5 units, Grade 12

Comment: This course meets the UC "a" requirement.

This course satisfies the California state requirement for a basic study of American government. Students will examine the origins of American democracy, the U.S. Constitution, elections and campaigns; political participation and opinion polls; the operations of the three branches of government, political parties, influence of the media, the electoral process and avenues available to them for political involvement. Opportunities are provided for discussing current issues with which our government is involved.

409. Advanced Placement Government & Politics: U.S. Government

Semester, 5 units, Grade 12

Prerequisite: 3.4 cumulative GPA; successful performance on required "data based question."

Comment: This course meets the UC "a" requirement.

This course, if taken in sequential order with AP Comparative Government, will satisfy the MCHS Economics requirement. It is highly recommended that students intending to take AP Government should also take AP Comparative Government.

This course fulfills the California State requirement for American Government. The historical and theoretical origins of the American governmental system, political parties, the influence of the media, the institutions of government, political opinions and how they are formed, and constitutionally guaranteed rights will be covered. Current issues and examples that show our government in action will be examined. This course is recommended for students pursuing careers in public service or law. Students enrolled in this course must take the Advanced Placement test in American Government. Because this is a semester course, meeting during collaborations and outside class time may be required.

410. Advanced Placement Comparative Government

Semester, 5 units, Grade 12

Prerequisite: Successful completion of AP Government and Politics: U.S. Government

Comment: This course meets the UC "a" requirement.

This course, if taken in sequential order with Advanced Placement Government & Politics, will satisfy the MCHS Economics requirement.

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

419. Economics

Semester, 5 units (required), Grade 12

Comment: This course meets the UC "g" requirement.

This survey course focuses on economic principles, issues and analysis that provide students with an understanding of both the theoretical and practical approaches of this social science. The students will gain an understanding of the role that economics plays at the personal, national and international level.

425. Advanced Placement Macroeconomics

Semester, 5 units, Grade 12

Prerequisite: 3.4 cumulative GPA, and B average or better in Algebra 2.

Comment: This course meets the UC "g" requirement.

Ever heard of the credit crisis? The bailout? The housing crisis? Raising or lowering taxes on the rich and/or the middle class? If you would like to know the answers to those questions and how they will directly impact your life – AP Macroeconomics is for you! The purpose of this course is to give students a thorough understanding of macroeconomic principles that apply to an economic system as a whole. Students will learn the tools and information that policy makers utilize when making political decisions and implementing social programs. Theoretical economic models will be utilized to develop students' familiarity with national income, economic performance measures, economic growth and international economics. In an increasingly globalized economy, an awareness of the mechanics of economic systems is essential for competitive success. Students enrolled in this course must take the Advanced Placement test in Macroeconomics.

SOCIAL STUDIES ELECTIVES

411. Sport and Society

Semester, 5 units, Grades 11-12

Comment: This course meets the UC "g" requirement.

This course acquaints students with the discipline of sport sociology. Primary focus will be placed upon the study of the institution of sports in America, its development, and its significant impact on society, past, present, and future. The parameters of sport, game, dance, and exercise will be investigated. Topics will include the role of women's sports, racism in sports, fan/athlete behavior, the economics of sports, professionalism and amateurism.

417. Introduction to Psychology

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "g" requirement.

In this course students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. Students will develop some basic concepts of psychology and a historical perspective on psychology as the study of individual behavior. Students will read about and discuss the contributions of the major scholars in the field such as Freud, Pavlov, Maslow, Bandura, and Rogers.

422. American Law & Justice

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "a" requirement.

This course is designed for students who are interested in the American legal and judicial system through learning and applying the procedures and precedents used in the courtroom. The class will explore the meaning of law and justice and the means by which they have been practiced in both historic and contemporary America. The student will have the opportunity to learn about the Constitutions and the Judiciary at the State and National level, and historic court cases and decisions. You, the student, will have the opportunity to see and learn how the system operates by visiting and observing court room trials and hearings, listening to guest speakers who are attorneys and judges, and actually applying the knowledge you have learned by playing the roles of attorneys, witnesses, clerks, bailiffs and jurors in mock trials!

426. Advanced Placement Microeconomics

Semester, 5 units, Grade 12

Prerequisite: Successful completion of Macro Economics.

Comment: This course meets the UC "g" requirement.

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

821. Mass Media and Popular Arts

Semester, 5 units, Grades 11-12

Comment: This course meets the UC "g" requirement.

This course in mass media engages students in making informed decisions about real problems. All aspects of mass media – journalism, advertising, broadcasting, and a variety of ethical issues, including censorship, conflict of interest, explicit sex, portrayal of minorities, the elderly and children are considered.

413. Business Economics

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "g" requirement. This course does not meet the MCHS Economics requirement.

This course challenges students to learn how to run a business ethically and apply business principles of management and administration. Management theories and processes to achieve organizational skills will be emphasized and assessed with hands-on projects and competition. Business etiquette and ethics are key components throughout the material of this course. This course requires excellent decision-making skills and is based in economic concepts requiring students to apply rules of scarcity and opportunity costs.

420. Communications: Speech and Debate

Semester, 5 units, Grades 10-12

Comment: This course is pending UC "g" approval.

The course aim is to help students develop excellent speaking habits, reduce speaking anxiety, emphasize critical thinking skills and hone the skills of organization, speech writing and the use of research in speaking. The course will also include classroom and public presentations, both formal and informal. Students will also learn to assess speeches presented by others.

421. Ethnic and Cultural Diversity in

America

Semester, 5 units, Grades 11-12

Comment: This course meets the UC "g" requirement.

The United States has not escaped the mixed blessing of being a socially and ethnically diverse society. Americans are often moved to praise the culture as a melting pot, mixing and fusing diverse elements into a single functional amalgam. At the same time many groups of Americans have struggled with rejection and prejudice as they attempt to become part of the mainstream of American life. This course is offered for students who seek to understand the dimensions of our country's diversity and the issues that have emerged for some as they seek to become part of the culture.

428. The Civil War in America

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "g" requirement.

The Civil War in America is one of the most important events in United States history. Some of our greatest heroes, most notorious villains, finest generals, and our most famous president will come alive in this course. Students will learn the background and causes of the conflict, military strategies, victories and tragedies of the war. The changes in women's roles and the reconstruction of the south will also be covered.

436. Advanced Placement Human

Geography

Full Year, 10 units, Grade 12

Comment: This course is pending UC approval.

This course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

440. Advanced Placement Psychology

Full Year, 10 units, Grades 11-12

Comment: This course meets the UC "g" requirement.

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, teasing and individual differences, treatment of abnormal behavior and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

4430. World Geography

Full Year, 10 units, Grade 9

Prerequisite: Placement by the Office of Admissions.

This one-year course fulfills the freshman Social Studies component of the St. Andre Program.

TECHNOLOGY & MEDIA ARTS

(TAMA)

THE PROGRAM

Students are highly encouraged to take courses in the TAMA department. Computer and media skills will not only enhance student learning at MCHS, but will also provide students with the skills necessary for success in college and in life.

Students who want an emphasis in digital arts & media should take this sequence of courses:

Grade 9: Visual Arts

Grade 10: Digital Photography (1 semester) and Drawing/Painting (1 semester)

Grade 11: Advanced Digital Graphics (1 semester) and Advanced Art (1 semester)

Grade 12: AP Studio Art (2 semesters)

COURSES

COMPUTER SCIENCE

- 249. AP Computer Science Principles
- 252. HTML and Web Pages Design
- 256. Introduction to Computer Science (JAVA)
- 257. Gaming Analysis and Design
- 263. AP Computer Science A

DIGITAL GRAPHICS

- 254. Digital Photography
- 264. Digital Graphics & Multimedia Publishing
- 268. Advanced Digital Graphics

DIGITAL MEDIA

- 134. Journalism
- 265. Film & Video Arts 1
- 266. Film & Video Arts 2
- 814. Yearbook

TAMA WORK EXPERIENCE

- 267. Computer Project Work Experience
- 270. Graphic Design Work Experience

249. Advanced Placement Computer Science Principles (STEM)

Full year, 10 units, Grades 10-12

Prerequisite: Completion of at least one TAMA course or approval of instructor.

Comment: This course meets the UC "g" requirement.

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This is accomplished by focusing on the ideas of Creativity, Abstraction, Data & Information, Algorithms, Programming, the Internet, and the Global Impact of Computing.

252. HTML and Web Page Design (STEM)

Semester, 5 units, Grades 11-12

Comment: This course meets the UC "f" requirement

This elective course is designed to teach students how to create a basic web page and a fully functional web site. Students will be introduced to the basics of HTML coding and develop design skills utilizing the graphic and animation tools in Adobe Dreamweaver, Photoshop and Muse. As part of the course, students will learn to analyze a variety of websites focusing on visual appearance, navigation structure, and usability issues. The students will also examine issues regarding Internet ethics, e-commerce, and the new technologies that impact the web experience. Assignments will include the design of personal sites, as well as a group-produced site for an outside client.

256. Introduction to Computer Science: Java (STEM)

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "g" requirement.

This course is a basic, one-semester course in programming and problem solving with Java. This course is intended as a prerequisite to the Advanced Placement Computer Science A course, but also serves as an introduction to object oriented programming in Java. The topics covered will include (but are not limited to): Understanding how Java programs work, Storing and changing information in a Program, Using strings to communicate, Using conditional tests to make decisions, Repeating actions with loops, Creating and Describing objects, and User interfaces.

257. Gaming Analysis and Design (STEM)

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "g" requirement

This course looks at the design, programming and impact of video games. Approximately one half of the course is devoted to programming, taking into account the importance of the design process. Narrative, character development, design principles, and playability all factor into each programming project. As games in the context of society is treated with equal importance, the class looks at the social impact of games in informing, educating, and altering behavior. The course also engages in the ongoing debates in the media involving gaming.

263. Advanced Placement Computer Science A (STEM)

Full year, 10 units, Grades 11-12

Prerequisite: Completion of Introduction to Java with a B or better, HTML & Web Page Design with a B or better, AP Computer Science Principles with a B or better or approval of instructor.

Comment: This course meets the UC "g" requirement.

Students will be prepared for the Advanced Placement test in Computer Science by learning object-oriented programming first at an elementary level and then progressing to an advanced level

during the year. Students enrolled in this course will already be familiar with programming and will continue to enhance that knowledge with additional programming experiences using the *Java* language. Students must take the Advanced Placement test in Computer Science as part of this course.

254. Digital Photography (STEM)

Semester, 5 units, Grades 10-12

Prerequisite: Students must provide their own digital camera.

Comment: This course meets the UC "f" requirement

This semester-long course will serve as an introduction to digital photography. Basics will be taught including how to select a digital camera, understanding exposure and mastering shooting with a digital camera. Students will progress to understand effective composition and be able to determine the best equipment and settings necessary to shoot in numerous environments. In the studio, students will learn to enhance their photos using Adobe Photoshop as well as learn artistic techniques. Different color modes and resolution will be introduced, as students will produce work both for web and print results. Current artists and techniques will be studied and compared to older artists and methods. Various photographic genres will be explored, including portraiture, landscape, and photojournalism. Moreau Catholic High School will NOT provide digital cameras for students enrolled in this course.

264. Digital Graphics & Multimedia Publishing (STEM)

Semester, 5 units, Grades 10-12

Comment: Recommended for students who plan to take Computer Project Work Experience, Journalism or Yearbook.

Comment: This course meets the UC "g" requirement.

This course will show students a means of adapting artistic skills to electronic media and the use of graphics in computing. It will introduce the techniques and design principles needed to produce a variety of creative documents including posters, logos, advertisements, and publication layouts. Students will develop intermediate skills in the use of the software programs included in the Adobe Suite (Photoshop, InDesign, Illustrator and Dreamweaver). In addition, students will analyze several forms of media (including magazine, newspaper, video, and the world wide web) to learn how graphics are used to convey meaning.

268. Advanced Digital Graphics (STEM)

Semester, 5 units, Grades 11-12

Prerequisite: At least one of the following courses: Design Graphics, Digital Photography, Advanced Art, Game Design & Analysis, Web Design and/or permission from the instructor.

Comment: This course meets the UC "f" requirement.

In Advanced Digital Design students will learn effective visual communication skills through design projects based on specific aesthetic and goal requirements. This course takes the skills and

knowledge learned in digital graphics, digital photography, game design and/or web design and introduces advanced topics in form, style, and criticism. The fundamentals of typography (letter & type design), layout and design, logo design, cartooning and illustration will be studied. Students will also consider the influence of the medium on culture and the ethics involved in digital design. Programs used will include Adobe Creative Suite (Photoshop, Illustrator, InDesign, Flash and Dreamweaver). At the end of the course students will create a portfolio showcasing their compositions and skills. This portfolio could be used for A.P. Studio Art.

134. Journalism and Modern Media (STEM)

Full year, 10 units, Grades 10-12

Prerequisite: No concurrent enrollment with Yearbook.

Comment:

- *This course meets the UC "g" requirement*
- *This course **does not** meet the senior MCHS English requirement*

The formation of news into journalistic style and the analysis of the techniques of modern mass media, especially radio and television, are emphasized. Students specialize in feature writing, sports writing, editorial writing, or in-depth reporting, editing and revising. The course will also examine how media influence American society. The class is responsible for writing and editing the school newspaper.

265. Film & Video Arts 1 (MCTV) (STEM)

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "f" requirement

This course will instruct students in three basic areas: contemporary broadcast media, critical analysis with an emphasis on interpretation and aesthetic qualities, and hands-on video production including camera operation, lighting, sound, script-writing, and editing. The primary focus of the course is the art of communication and the creative process required to produce quality video/radio productions. Media literacy is also a component of the course and involves the study and analysis of how film and video impacts society.

266. Film & Video Arts 2 (Advanced MCTV) (STEM)

Semester, 5 units, Grades 11-12

Prerequisite: Student must have taken Video/Film Arts I, or Journalism, and have approval of instructor.

Comment: This course meets the UC "f" requirement. This course may be repeated for credit.

Students enrolled in this course will continue to focus on the art of communication in video and film production with an emphasis on broadcast journalism. Students will be expected to undertake independent projects of greater length and will be entrusted with greater responsibilities for the production of MCTV's live weekly newscasts. Media and visual literacy in addition to critical analysis of current video and film art forms will be central to the content of this class.

814. Yearbook (STEM)

Full year, 10 units, Grades 11-12

Prerequisites: Approval of instructor; no concurrent enrollment in Journalism allowed. Students must complete an application process for instructor approval.

Comment: Digital Graphics & Multimedia Publishing is recommended prior to taking this class. Yearbook may be repeated for credit.

The production of the yearbook is an important annual event at Moreau Catholic. While working on the yearbook staff, students learn and develop a variety of design and graphics skills, caption writing, photography skills, and management skills. The entire book is produced digitally and students master Adobe InDesign and Photoshop. The yearbook staff creates the entire yearbook, including the theme, cover design and content. Students plan the sections, select and correct photos, write all copy and design all spreads. Besides being a regularly scheduled class, yearbook production also requires a time commitment to work after school and during Office Hours to complete deadlines. Although this challenge requires a great deal of responsibility, the rewards are tangible, as your work will be professionally published.

267. Computer Project Work Experience

Semester, 5 units, Pass/Fail, Grades 11-12

*Prerequisite: Approval of Director of Technology
This course may be repeated for credit.*

Students enrolled in this course will use computers to work on and complete term projects. These projects may include research, problem solving and a variety of tasks. Students will learn how to use software as the projects arise and be expected to complete projects in a timely fashion. Finally, students will be assigned various help desk functions, assisting staff and instructors with software and hardware needs.

270. Graphic Design Work Experience

Semester, 5 units, Pass/Fail, Grades 11-12

*Prerequisite: Approval of the Marketing and Communications Director.
This course may be repeated for credit.*

Students selected for this position will assist Moreau's Marketing and Communications Department in the creation of graphic design and multimedia materials. Students with experience in graphic design, photography or video are encouraged to apply. At the end of this semester-long position, students will have developed a portfolio of high level work and receive a letter of recommendation for college applications and/or their continued pursuits in this field. An interview is required prior to acceptance.

THEOLOGY

THE PROGRAM

MCHS requires 40 units of Theology.

Students, who transfer to Moreau Catholic as sophomores, are required to take 30 units of Theology.

Students are required to complete the Holy Cross Social Justice Program, which includes 60 hours of community service and completion of a Capstone project.

COURSES

331. Frosh Theology

Full year, 10 units (required), Grade 9

This course grounds students in Sacred Scripture and Traditions of the Roman Catholic Church. The course introduces students to the traditions, history and themes of the Congregation of Holy Cross, and provides personal formation opportunities through community service, prayer and retreat. The major focus of the year is the encounter of Jesus as the Christ and our faithful response to that. Students explore Hebrew Scripture, the social world of Jesus; acquire exegetical tools, in preparation for an intensive study of God's revelation of Jesus Christ in the Four Gospels.

303. Christology

Semester, 5 units (required), Grade 10

This course continues the Mission of Jesus the Christ through the redemption Christ gained for all humanity. An emphasis on what it means to be a disciple of Christ will be studied by tracing the goodness of creation, humanity's fall from grace, and the promise of the Messiah. Christ's redemption through the Paschal Mystery will be a primary focus, and its implications for the life of the believer.

304. Church History

Semester, 5 units (required), Grade 10

The encounter of Jesus the Christ is deepened through the study and nature of the Church throughout history. Students will address the Church's origin, foundation and mission throughout human history. Emphasis is on the development of the Church through particular time periods (Roman Empire, Middle Ages, Reformation, Modernity, and World Church etc.), understanding seminal events (Council of Nicaea, Rise of Monasticism, Crusades, Trent, Vatican II etc.) and experiencing the prophetic history of the "People of God".

UPPER DIVISION COURSES

Students will take one semester of Social Justice and one semester of Morality in their junior year. In their senior year, they will take one semester of Christian Culture in a Changing World (Sacraments) and one semester of an upper division Theology elective course.

A student may choose to apply for ***Campus Ministry Leadership*** in their senior year. *This course would fulfill the upper division course requirement.*

306. Morality

Semester, 5 units (required), Grade 11

The purpose of this course is to help students understand, experience, reflect on what God's plan is for them in their lives and how to fully live out that plan through a life dedicated to understanding who is Jesus Christ. Students will learn the moral concepts and precepts that govern the Law of Hebrew Scriptures, Jesus' commandments to love, the Beatitudes, Gifts of the Holy Spirit, and the role of conscience to make moral and virtuous decisions given the reality of sin and suffering in our world today!

319. Social Justice

Semester, 5 units (required), Grade 11

The course will introduce students to the major themes of Catholic social teaching. The principles of social teaching found in scripture (10 commandments; Beatitudes), modern encyclicals (Rerum Novarum), bishop's conferences, will present Christ's concern for others, the confrontation of sin and its social dimensions and the Church as a sign of charity and justice. The content of this course is the foundation for the Holy Cross Social Justice *Capstone* project.

335. Christian Culture in a Changing World (Sacraments – Required)

Semester, 5 units, Grades 12

Comment: This course meets the UC "g" requirement.

This course will survey regional spiritual practices in Europe (Western & Eastern), Asia & the Pacific Islands, Latin America, Africa, and Native America with an integration of culturally specific art, music, and cultural expressions of the Sacraments. The course will also include "special topics," e.g., the interrelationship among Christian Scripture/Theology, ecological thought, and spirituality. The course will provide the historical foundation of modern Christian practices and rituals as well as experiential learning. Cultural expressions of the Sacraments will survey regional spiritual practices in Europe (Western & Eastern), Asia & the Pacific Islands, Latin America and Native American.

SENIOR THEOLOGY ELECTIVES

307. Introduction to New Testament

Semester, 5 units, Grades 12

This course is a comprehensive introduction to New Testament studies, including content, historical context, and the processes used by Biblical scholars in their attempt to solve problems associated with understanding the New Testament.

153. The Bible as Literature

Semester, 5 units, Grades 12

Comment: This course meets the UC "b" English requirement.

Did you know that the Bible is the best selling literary text in the world? Have you ever read a good book or short story and noticed that the story bears a striking resemblance to the plot of Noah and the flood, the characters of Rachel and Leah, or the symbolism of the Passion of Christ? Bible as Literature explores the literary nature of Hebrew and Christian scriptures, and compares literary traditions of the Bible with American and English literature. Using biblical scholarship, students will apply literary analysis and interpretation to biblical characters, plots, themes, and styles such as myth, drama, and poetry.

315. Major Religions of the World

Semester, 5 units, Grades 12

Comment: This course meets the UC "g" requirement.

This course studies the non-Christian religious traditions including Hinduism, Buddhism, Taoism, Confucianism, Islam and Judaism. Topics covered include meditation, chanting, yoga, reincarnation, prayer and fasting. Emphasis will be on each tradition's unique religious practices and on their common goal of understanding the meaning and purpose of life.

309. Prophecy and Apocalyptic Literature

Semester, 5 units, Grades 12

Comment: This course meets the UC "b" English requirement.

This course will examine the apocalyptic genre of literature found in Jewish and early Christian writings. Major emphasis will be placed on comparing revelation as a literary response to varying religious/social/political responses throughout history. It will also focus on the continuing fascination of "end times" as demonstrated through art and cinematic media. Students will read and critique the apocalyptic texts of the Hebrew and Christian scriptures, explore the themes of evil and sin, study the prophetic movement and discover the hopeful message of the literary genre.

334. Campus Ministry Leadership

Full year, 10 units, Grade 12

Prerequisite: Interview process conducted by the Campus Ministry Director.

Comment: This course may be used to fulfill the senior semester Theology requirement.

This course is offered to seniors who wish to play an active role of ministerial leadership in the Campus Ministry programs of MCHS. Students will be responsible for working with the instructor in the planning, preparation and implementation of school-wide liturgies and smaller class collaboration liturgies. Students will also assist in other school ministerial endeavors such as retreats, mission collections, drives and service projects. In class, students will explore Christian spirituality, the history of Christian worship and the basic principles of liturgical worship. Students will be challenged to develop both personal and group leadership skills.

VISUAL & PERFORMING ARTS

(VAPA)

THE PROGRAM

MCHS requires 10 units of Visual and Performing Arts.

The Visual and Performing Arts Department offers courses in the following disciplines: Vocal Music, Dance, Instrumental Music, Theater, and Visual Arts. Students fulfill the Visual and Performing Arts requirement during their freshmen year.

Introductory, and some advanced courses in the Visual and Performing Arts Department meet the UC "f" requirement. All other courses meet the UC "g" requirement where noted.

The department encourages students whose interests and abilities show promise in the Visual and Performing arts, to pursue a consistent, multi-year commitment to the program, as it can be of benefit in college admissions evaluation of a student's portfolio.

VISUAL ARTS

Students interested in specializing in visual arts courses culminating in Advanced Placement Studio Art or Advanced Art in their senior year should notify their counselors and strive to take two art courses in both their sophomore and junior years, in addition to the ninth grade Visual Arts course.

Students who want an emphasis in two-dimensional art should take this sequence of courses:

Grade 9: Visual Arts
Grade 10: Drawing, Painting
Grade 11: Drawing and Painting 2, Advanced Art
Grade 12: AP Studio Art

Students who want an emphasis in three-dimensional art should take this sequence of courses:

Grade 9: Visual Arts
Grade 10: Sculpture, Ceramics
Grade 11: Sculpture 2, Advanced Art
Grade 12: AP Studio Art

Students who want an emphasis in digital art & media should take this sequence of courses:

Grade 9: Visual Arts
Grade 10: Digital Photography (1 semester) and Drawing/Painting (1 semester)
Grade 11: Advanced Digital Graphics (1 semester) and Advanced Art (1 semester)
Grade 12: AP Studio Art (2 semesters)

COURSES

822. Visual Arts

Full Year, 10 units

Comment: This course meets the UC "f" requirement.

In the *Visual Arts* course students draw, paint, and construct three-dimensional form as they learn elements and principles of art. They are encouraged to develop a visual language and a personal expression. In addition to constructing art, students study art theory, art history, and art criticism with a focus on the development of a personal aesthetic. Students study art from many cultures and historical periods to acquire a global perspective and an artistic perception.

807. Drawing

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Visual Arts or approval of instructor.

Comment: This course meets the UC "f" requirement.

Drawing skills are fundamental to all areas of art. This class will teach students the use of drawing for the development of ideas, as well as for finished art works. Several drawing systems and methods will be taught, including drawing from observation, and the grid system for enlarging. Drawings will be done in pencil, charcoal, colored pencil, watercolor, and ink.

809. Sculpture

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Visual Arts or approval of instructor.

Comment: This course meets the UC "f" requirement.

In this class students continue to learn to make three dimensional art works. Various sculptural materials will be used. The class emphasizes three dimensional form and design, and the use of basic art elements to create sculpture is studied. Sculptures from ancient to modern, encompassing many cultures and time periods, are studied and discussed.

810. Ceramics

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Visual Arts or approval of instructor.

Comment: This course meets the UC "f" requirement.

This course focuses on the use of clay to create usable art forms and sculpture. From the beginning of time, people have made objects from clay as a means of expression as well as for practical purposes. As students study ceramic traditions in various cultures and historical periods, they will create their own unique artwork. This course will give students a hands-on appreciation for ceramics.

811. Visual Arts Teaching Assistant

Semester, 5 units, Pass/Fail, Grades 11-12

Prerequisite: Approval of instructor

Comment: This course is not UC eligible.

This class is for the student who has taken art classes and is interested in demonstrating knowledge of the assignments and assisting the teacher. This course will give students an introduction to the profession of teaching.

812. Sculpture 2

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Sculpture and Clay

Comment: This course meets the UC "f" requirement.

This class is for the student who has taken one semester of sculpture and wants to delve more into exploring sculpture in different mediums. The class will continue to teach aesthetics, techniques, and methods of working in a three-dimensional manner to create artwork. This class explores ways of thought, ways of approaching subject matter and ways of working with materials. Using a multitude of techniques, the class will construct contemporary works of art.

816. Advanced Art

Semester, 5 units, Grades 10-12

Prerequisite: Completion of previous art courses, student portfolio, written proposal by student of goals and objectives, and approval of instructor.

Comment: This course meets the UC "f" requirement.

This course is offered for experienced, skilled students who have an individualized interest and want to pursue their artwork and/or for students who need more time to prepare for Advanced Placement Studio Art. The course consists of individualized, self-directed study. The student and instructor will agree upon the selection of projects. Students must be self-directed and self-motivated.

817. Painting

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Visual Arts or approval of instructor.

Comment: This course meets the UC "f" requirement.

This class will continue to teach the fundamentals of painting through a variety of projects, some to emphasize the importance of technique, others to emphasize the students' ability to form a conceptual basis for the creation of a painting. Acrylic paints will be used on canvas and paper, and several important 20th century painting styles will be examined.

819. Drawing and Painting 2

Semester, 5 units, Grades 10-12

Prerequisite: Completion of Drawing or Painting

Comment: This course meets the UC "f" requirement.

This course develops and deepens students' skills in handling materials and their knowledge of art

philosophy and art appreciation. Through hands-on art production students learn and apply art design principles and design elements. Through writing and discussion students develop and deepen their aesthetic, historical, cultural and philosophical knowledge of drawing and painting. This course is recommended for those students wishing to take AP or Advanced Art.

820/825. Advanced Placement Studio Art

Full year, 10 units, Grades 11-12

Prerequisite: At least three previous art courses or TAMA Courses, student portfolio, and/or approval of instructor. Students are accepted on an individual basis. Outside art course experience may also be considered in lieu of coursework.

Comment: This course meets the UC "f" requirement.

This course is designed for advanced art students who wish to submit a portfolio for advanced art placement college credit and/or to create a portfolio to be considered for scholarship competition. Students follow the guidelines set down in the advanced art placement curriculum. Independence, diligence, willingness to experiment and stretch are a necessary part of the course. Emphasis is placed on students' completion of set objectives and visible evidence of growth in their artwork. Students enrolled in this course must take the Advanced Placement test in Studio Art.

THEATER ARTS

Students who want an emphasis in Theatre Arts should consider taking this sequence of courses:

Grade 9: Theatre Arts Perspective

Grade 10: Theatre Arts I and Costume and Makeup Design or American Musical Theatre

Grade 11: Honors Theatre Arts II and American Musical Theatre or Theatre Arts Teaching Assistant

Grade 12: Theatre Arts III and/or Theatre Arts Teaching Assistant or Advanced Musical Theatre

COURSES

829. Theatre Arts Perspective

Full Year, 10 units

Comment: This course meets the UC "f" requirement.

Theatre Arts Perspective is designed for students interested in learning about theatre in a variety of fun and interesting contexts. Students will develop performance skills through characterization, pantomime, and improvisation. Students will create and perform original skits, learn to analyze and critique live productions, and explore theatre as an art form throughout the ages. Theatre technology is also utilized during the second semester when students will prepare and perform a public showcase of their theatrical work.

831. Theatre Arts I

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "F" requirement. No previous drama experience necessary. The 9th grade Theatre Arts Perspective course is NOT a prerequisite for this course.

Students will explore several aspects of theatre arts including: the acting and rehearsal process, analysis of play structure, anatomy of a production, script analysis, and the continued understanding of theatre as an art form. Students will create characters and perform scenes using improvisation and scene study techniques. Students will be required to attend local productions outside of class, write critical observations, and read and discuss related materials. The class will prepare and perform a short production for MCHS support schools. Participation in drama field trips is not mandatory, but highly recommended.

835. Honors Theatre Arts II

Semester, 5 units, Grades 11-12

Prerequisite: Completion of Theatre Arts I with a B or better or instructor approval

Comment: This course meets the UC "F" requirement and may also be repeated for credit.

This advanced course builds upon the skills and material learned in Theatre Arts I. Students will explore different historical styles, the "world of the play," and global theatre in cultural and sociological contexts. Acting techniques will encompass a broader range of styles. Students will learn directing techniques and will utilize both acting and directing skills in class presentations and in co-curricular projects outside the school community. Participation at these outside activities is mandatory.

834. Theatre Arts Teaching Assistant

Semester, 5 units, Pass/Fail, Grades 11-12

Prerequisite: Honors Theatre Arts II or approval of instructor. May be repeated for credit.

Comment: This course is not UC eligible.

This course is for students interested in theatre directing and instruction. Teaching assistants will work with beginning theatre arts students and Theatre Arts 1 classes by working with the instructor to help plan and teach lessons, create and direct class projects, lead group discussions, and evaluate student work.

841. Theatre Arts: Script Analysis, Conceptualization and Direction

Semester, 5 units, Grades 11-12

Prerequisite: Honors Theatre Arts II or Theatre Arts I and approval of instructor.

Comment: This course is pending UC approval.

Students enrolled in this course will approach dramatic literature and play production from the director's perspective. The many roles and functions of the director in production will be studied by learning various directing techniques, effective communication with actors, how to shape dramatic action, research and design, how to use space, and how to develop

the "world of the play." Students will direct scenes from published plays, attend local productions, and meet with professional theatre artists.

842. Film Appreciation

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "F" requirement.

This course will teach the fundamentals and aesthetics of filmmaking. Students will learn the art of motion picture storytelling by studying the artistic and technical aspects of the medium. Film history, technical analysis, and criticism of motion pictures and television will be explored. Approximately 8-10 complete films will be studied in class and clips from many other films will also be shown as supportive examples of various techniques. Attending films in local theatres is required.

844. Theatre Production

Semester, 5 units, Grades 9-12 Pass/Fail

Comment: Enrollment in the class is by approval of the instructor and a performance audition or submission of a technical crew application; this course can be repeated for credit but only 10 units can count toward the 50 MCHS elective graduation units.

The theatre production class in the first semester will prepare and perform the annual fall play and provide technical support for all Teves Theatre events. The theatre production class in the second semester will prepare and perform the annual spring musical and provide technical support for all Teves Theatre events.

836. American Musical Theatre: History and Practical Exploration

Semester, 5 units, Grades 10-12

Comment: This course meets the UC "F" requirement.

This course is designed to examine the historical development of musical theatre in America, and to offer students opportunities to learn various musical theatre performance techniques. Through dramatic interpretation, choreography, and vocal instruction, students will prepare various selections from musicals for class projects. The Theatre Arts, Choral Arts, and Dance Arts instructors will team-teach during specified class times.

838. Advanced Musical Theatre: Beyond the Classics

Semester, 5 units, Grades 11-12

Prerequisite: Approval of instructor

Comment: This course meets the UC "F" requirement.

This course is for students who wish to continue their exploration, appreciation, and understanding of musical theatre history and performance techniques. The course will continue from where American Musical Theatre concluded. Students will study, rehearse and perform pieces from modern and contemporary musicals, including the works of Brecht and Weill, Sondheim, Webber, and others.

840. Costume and Makeup Design for the Stage

Semester, 5 units, Grades 10-12

Prerequisite: Theatre Arts Perspective or Theatre Arts I.

Comment: This course meets the UC "f" requirement.

This course is an introduction to stage costuming and makeup. Basic design principles and theories of stage costumes and makeup and their historical development will be explored. Students will study stories and characters from dramatic literature and design costumes and makeup based on their research. The actual construction of costumes will not be required, but students will have practical experience in the application of stage makeup. Students are required to purchase a specified makeup kit.

INSTRUMENTAL MUSIC

COURSES

863. Instrumental Music

Full year, 10 units

Comment: This course meets the UC "f" requirement.

This course provides students with an opportunity to learn a band instrument. Students may choose to learn the following instruments: trumpet, trombone, tuba, baritone horn, French horn, oboe, bassoon, clarinet, flute, percussion, saxophone, string bass. Performance is required.

875. Symphonic Band

Full year, 10 units

Prerequisite: Approval of instructor

Comment: This course meets the UC "f" requirement.

This course is for the more experienced band student with three or more years of experience playing a band instrument. This performance course emphasizes concert literature of a more difficult nature. Emphasis is placed on group participation and public performance.

876. String Orchestra

Full year, 10 units

Prerequisite: At least one year of experience on a string instrument in elementary, middle or high school, or private study.

Comment: This course meets the UC "f" requirement and may also be used in some cases to satisfy the "g" requirement.

This course is designed for intermediate to advanced string students, with experience on violin, viola, cello or string bass. Practice and performance outside of class are required.

877. Honors Wind Ensemble

Full year, 10 units

Prerequisite: Private lessons, and approval of, or audition with instructor.

Comment: This course meets the UC "f" requirement and may also be used in some cases to satisfy the "g" requirement.

This honors course is for the most advanced students, usually juniors and seniors. This is an advanced ensemble in which students play a more individual role than in Symphonic Band. Students develop a high level of musicianship and interpret very demanding literature. Practice and performance outside of class are required. Ninth grade students who feel that their skills are very advanced may audition for this class.

879. Honors String Orchestra

Full year, 10 units

Prerequisite: Private lessons, and approval of, or audition with instructor.

Comment: This course is pending UC approval.

Honors String Orchestra is for the most advanced string players in Moreau Catholic High School. This class is open to 11th and 12th grade students that have successfully completed the regular String Orchestra class. Students must apply through the Instrumental Music Department. Private lessons are strongly encouraged, as the repertoire is very challenging. Public performance is required.

867. Jazz Ensemble

Full year, 10 units

Prerequisite: Concurrent enrollment in Symphonic Band or Honors Wind Ensemble or String Orchestra and approval of instructor. This course may be repeated for credit. Offered before school during zero period. Students may take only 1 "zero period" course per year.

Comment: This course meets the UC "f" requirement.

This is an advanced jazz course with study in jazz literature and improvisation with emphasis on group participation and public performance. Public performance is required.

873. Honors Jazz Ensemble

Full Year, 10 units, Grades 11-12

Prerequisite: Two years of band or orchestra classes, audition with instructor and oral exam. Concurrent enrollment in Honors Wind Ensemble or Honors String Orchestra. This course may be repeated for credit. Offered before school during zero period. Students may take only 1 "zero period" course per year.

Comment: This course is pending UC approval.

Honors Jazz Ensemble is a performance-based class that offers a rigorous curriculum, with emphasis in the study of a wide variety of stylistic genres. Students will select, analyze and perform college level literature with great proficiency. Students will develop advanced sight reading skills, and will sight read at adjudicated music festivals. There will be a strong emphasis in improvisation covering all significant forms and harmonic progressions used in the jazz

idiom. Students will study the influence of jazz music and its development in Africa, the United States and Latin American countries. Several professional musicians and college educators will serve as guest lecturers and clinicians to both refine student performance and present career possibilities in music. For the Capstone Project, each student will compose and perform his/her own original jazz composition.

870. Music Teaching Assistant (Band)
Semester, 5 units, Pass/Fail, Grades 11-12
Prerequisite: Approval of instructor
Comment: This course is not UC eligible.

This class is for the student who has taken music classes and is interested in demonstrating knowledge of the assignments and assisting the teacher. This course will give students an introduction to the profession of teaching.

VOCAL/CHORAL MUSIC

COURSES

864. Chorus
Full year, 10 units
Prerequisite: Audition with instructor
Comment: This course meets the UC "F" requirement.

This course provides an opportunity for students to participate in a vocal performance ensemble. Students will learn basic vocal and choral techniques, music history, sight-singing skills and music theory. In addition, students will learn historical, cultural and societal contexts for choral music and composers of choral music. Students will be expected to critique their own and the performance of others. Public performance is required.

866. Concert Choir
Full year, 10 units
Prerequisite: Previous choral experience and audition with instructor
Comment: This course meets the UC "F" requirement.

This course provides an opportunity for continued growth in vocal performance. The study and performance of intermediate literature will be the focus of this class alongside further study of music theory and history. Concert Choir is the preparatory ensemble for students interested in Honors Choir. Public performance is required.

856. Honors Choir
Full Year, 10 units
Prerequisite: Previous choral experience and audition with instructor. Vocal lessons are encouraged.
Comment: This course meets the UC "F" requirement.

This course provides an opportunity for students to develop advanced and refined vocal and choral techniques. Advanced knowledge and skill in theory and sight singing is expected and further study of music history will be emphasized. The study and performance of advanced literature including music

from other cultures will be the focus of this course. Public performance and competition is required.

874. Music Teaching Assistant (Chorus)
Semester, 5 units, Pass/Fail, Grades 11-12
Prerequisite: Approval of instructor.
Comment: This course is not UC eligible.

This class is for the advanced music student who is interested in music direction, conducting, and teaching. Piano skills highly desired.

860. Chamber Choir
Full Year, 10 units
Prerequisite: Requires vocal audition. Offered before school during zero period. Students may take only 1 "zero period" course per year.
Comment: This course is pending UC approval. This course may be repeated for credit.

Singers receive advanced instruction in vocal technique, reading music and advanced music theory. A variety of choral literature, music styles and period, both sacred and secular, are presented. Students learn stylistic interpretation as well as development of vocal and musical skills. Open to piano accompanists with audition. Weekend tours may occur as well as clinics, music festivals, evening rehearsals and performances. Most performances are required as part of the student's grade.

DANCE

COURSES

880. Dance Focus
Full Year, 10 units
Comment: This course meets the UC "F" requirement.

The Dance Focus course is designed for students with limited or no dance experience. Students enrolled in this course will develop their technical skills while building knowledge of dance as a performing art. This course will focus on jazz technique and the history of this dance style. Performance in the winter and spring dance concerts is required.

882. Concert Dance
Full Year, 10 units
Prerequisite: Dance Focus or previous dance experience and approval of instructor.
Comment: This course meets the UC "F" requirement. Enrollment in Concert Dance may satisfy the Intermediate P.E. requirement for 11th graders. See your counselor for qualifications.
Due to the nature of this course, mandatory meetings outside of class time will be required in addition to planned public performances.

This course is designed for intermediate dancers who have successfully completed at least one year of training in ballet, jazz, or modern dance within the past three years. Students will continue to strengthen their dance technique and will begin developing

choreographic skills. Performance in the winter and spring dance concerts is required. Further performance opportunities are available.

This course is also offered in the evening:

Concert Dance - Evening

Full Year, 10 units

Prerequisite: Dance Focus or previous dance experience and approval of instructor.

Comment: This course meets the UC "F" requirement. Enrollment in Concert Dance may satisfy the Intermediate P.E. requirement for 11th graders. This course may be taken on a semester basis. See your counselor for qualifications. Times and days will be determined by instructor.

This evening course is designed for intermediate students. It is geared toward students who are interested in gaining the benefits of dance, but would otherwise not be able to take the course in a traditional course schedule. The focus of the course is on building strength, flexibility, functional alignment and coordination. Performance opportunities in 3 dance concerts are optional and encouraged, but not required. For information and registration, students must see their counselor and/or instructor.

878. Dance Ensemble

Full Year, 10 units

Prerequisite: Approval of instructor.

Comment: This course meets the UC "F" requirement. Due to the nature of this course, mandatory meetings outside of class time will be required in addition to the planned public performances. Enrollment in Dance Ensemble may satisfy the Intermediate P.E. requirement. See your counselor for qualifications. This course may be repeated for credit.

This course is designed for the intermediate/advanced dancer who has had three or more years training in ballet, jazz or modern dance and who seeks to continue developing technical and choreographic skills. The course will focus on jazz and modern performance technique and composition. Public performance is required.

883. Dance Ensemble 2

Full Year, 10 units

Prerequisite: Completion of Dance Ensemble or audition.

Comment: This course meets the UC "F" requirement. Only a small group of incoming 9th graders will be placed in this course, based on several years of ballet/jazz/contemporary dance training.

Dance Ensemble 2 is designed for intermediate/advanced dancers who possess the technical and academic maturity to proceed to the next level of study, but are not yet eligible to apply for Honors Dance. Students will have the opportunity to be challenged through advanced level technique and the creation of group choreography. Students will apply their creative and technical knowledge through a variety of choreographic investigations, production and performance opportunities.

884. Honors Dance

Full Year, 10 units, Grades 11-12

Prerequisite: Dance Ensemble and approval of instructor.

Comment: This course meets the UC "F" requirement. Due to the nature of this course, mandatory meetings outside of class time will be required in addition to the planned public performances. This course may be repeated for credit.

This course is designed for advanced dancers who have successfully completed Dance Ensemble and possess the technical and academic maturity to proceed to the next level of study. Students will have the opportunity to be challenged through advanced level technique and the creation of solo and group choreography. Performance in winter and spring informal showings and formal dance concerts is required. Further performance opportunities are available.

885. Social Dance

Semester, 5 units, Grades 10-12

Comment: This course is not UC eligible.

Social Dance is designed as a beginning level class for students who are interested in learning ballroom dance. Students will explore dances originating from European, Latin and American cultures. Some of the dances learned will include swing, salsa, and tango. Emphasis will be on body alignment, spatial awareness, balance and musicality— all elements that may be of benefit in other physical activities (e.g. sports, martial arts or other dance forms). Social Dance is intended for students with or without previous movement experience. Public performance is optional.

887. Intermediate Social Dance

Semester, 5 units, Grades 10-12

Prerequisite: Social Dance or approval of instructor.

Comment: This course is not UC eligible.

This course is designed as an intermediate level class for students who are interested in continuing their ballroom dance experience. Students will explore dances originating from European, Latin, and American cultures. Emphasis will be on body alignment, spatial awareness, balance and musicality – all elements that may be of benefit in other physical activities (i.e. athletics, martial arts and other dance forms). This class is intended for students who have taken Social Dance or have previous ballroom dance experience. Public performance is optional.

886. Dance Teaching Assistant

Semester, 5 units, Pass/Fail, Grades 11-12

Prerequisite: Approval of instructor.

Comment: This course is not UC eligible.

This class is for the student who has taken dance classes and is interested in demonstrating knowledge of the assignments and assisting the teacher. This course will give students an introduction to the profession of teaching.

WORLD LANGUAGES

THE PROGRAM

MCHS requires 20 units of one world language. Students demonstrating aptitude in language are strongly advised to take three or four years of the same language. All world language courses are UC “e” eligible unless otherwise noted.

COURSES

600. Spanish 1

Full year, 10 units

At the first level of language acquisition, students are introduced to the sounds, basic vocabulary, grammar and structures of the target language. This course aims to involve students in the receptive skills of listening and reading and in the productive skills of speaking and writing. This will enable students to comprehend and use a variety of language functions. The first level of studies seeks as well to raise students’ cultural consciousness and to aid them in developing an awareness of basic differences between the target cultures and their own.

601. Spanish for Native Speakers

Full year, 10 units

Prerequisite:

- *Approval of the instructor and Department Chair. Placement based on performance on the Language Placement Test.*

This is a second year course designed to provide native Spanish speaking students with a foundation in Spanish reading, writing, and grammar. The course is designed to move students fluent in conversational Spanish beyond elementary Spanish in order to prepare them for higher levels of Spanish. Students qualify for the course via a combined written assessment and oral interview. Upon completion of this course students may move into Spanish 3, Spanish 3 Honors, Spanish 4, or AP Spanish Language.

602. Spanish 2

Full year, 10 units

Prerequisite:

- *Completion of Spanish 1 with a grade of C- or better for the 2nd semester.*

The second level of studies is designed to expand and refine the students’ listening and speaking skills so they may attain fluency in more complex conversations and narrations. The students’ vocabulary will be expanded and new structures will be introduced to increase accuracy, broaden the basis of the four skill areas and further the students’ communicative abilities in the target language. The students’ familiarity with the peoples and customs of

the target cultures will be broadened, offering additional contexts in which students may apply their skills.

603. Spanish 2 Honors

Full year, 10 units

Prerequisite:

- *Completion of Spanish 1 with a B+ or better for the 2nd semester*
- *9th grade students must qualify through the Language Placement Test*

Placement in Spanish 2 Honors will provide a more challenging learning environment. A more in-depth presentation of the four skill areas will be used. Vocabulary will be expanded and new grammatical structures will be introduced to increase accuracy in communication. The students’ familiarity with the peoples and customs of the target cultures will be broadened, offering students the opportunity to research and study the culture of Spanish-speaking countries.

604. Spanish 3

Full year, 10 units

Prerequisite:

- *Completion of Spanish 2 with a grade of C or better for the 2nd semester or*
- *Completion of Spanish for Native Speakers with a C or better for the 2nd semester.*

The third year of language studies continues to involve students in interactive communicative tasks. Students are becoming more proficient, achieving accuracy in the basic structures. Students will be able to handle many survival and social demands in writing. Students can initiate conversation, sustain lengthier conversations, narrate and describe in the past, present and future. The four skill areas continue to be enforced. Students are introduced to some major literary, artistic and musical works and continue to explore the socio-cultural aspects of the language.

605. Spanish 3 Honors

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Spanish 2 with an A for the 2nd semester*
or
- *Completion of Spanish 2 Honors with a B or better for the 2nd semester or*
- *Completion of Spanish for Native Speakers with a B or better 2nd semester*

This course is offered to students seeking a more challenging academic program that will prepare them for AP Spanish Language. The four basic skills will be enhanced allowing students to further develop their ability to communicate in the target language. Students will be able to write 200 word essays using correct structure and syntax. Students are introduced to some major literary, artistic and musical works and continue to explore the socio-cultural aspects of the language.

607. Spanish 4

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Spanish 3 with a B- or better for the 2nd semester or*
- *Completion of Spanish 3 Honors with a C or better for the 2nd semester or*
- *Completion of Spanish for Native Speakers with a B or better for 2nd semester and a recommendation from the teacher.*

This course continues to build skills in reading and writing. A strong focus will be placed on the ability to acquire the skills necessary to survive in the world around us. The ability to communicate both orally and in the written form will be enhanced. Literary works, music and art will form an important part of their studies.

606. Advanced Placement Spanish

Language

Full year, 10 units

Prerequisite: One of the following:

- *Completion of Spanish 3 Honors with an A for the 2nd semester or*
- *Completion of Spanish 3 with a B+ or better for the 2nd semester or*
- *Completion of Spanish for Native Speakers with a B or better and teacher recommendation*

This advanced level of language studies will enable students to refine all language skills previously learned. Grammatical principles will be reviewed to strengthen accuracy. This class will provide students with a variety of listening, writing and speaking situations. Students will express themselves in formal and informal writing on practical, social and professional topics. Students will continue to explore the history, literary works and socio-cultural systems of the target language. Students enrolled in this course must take the Advanced Placement test for Spanish Language.

608. Advanced Placement Spanish

Literature

Full year, 10 units

Prerequisite: One of the following:

- *Completion of AP Spanish Language with a B or better for the 2nd semester or*
- *Completion of Spanish 4 with a B+ or better for the 2nd semester or*
- *Completion of Spanish for Native Speakers with an A- or better and teacher recommendation.*

This course will explore an extensive set of literary works as designated by the College Board, starting with the Golden Age era through the present. Discussion and analysis of required texts, and their authors, will be the main focus of this course. Through their studies of literature, further cultural and geographical studies will be presented. Students enrolled in this course must take the Advanced Placement test in Spanish Literature.

612. French 1

Full year, 10 units

At the first level of language acquisition, students are introduced to the sounds, basic vocabulary, grammar and structures of the target language. This course aims to involve students in the receptive skills of listening and reading and in the productive skills of speaking and writing. This will enable students to comprehend and use a variety of language functions. The first level of studies seeks as well to raise students' cultural consciousness and to aid them in developing an awareness of basic differences between the target cultures and their own.

614. French 2

Full year, 10 units

Prerequisite:

- *Completion of French 1 with a grade of C- or better for the 2nd semester.*

The second level of studies is designed to expand and refine the students' listening and speaking skills so they may attain fluency in more complex conversations and narrations. The students' vocabulary will be expanded and new structures will be introduced to increase accuracy, broaden the basis of the four skill areas and further the students' communicative abilities in the target language. The students' familiarity with the peoples and customs of the target cultures will be broadened, offering additional contexts in which students may apply their skills.

616. French 3

Full year, 10 units

Prerequisite:

- *Completion of French 2 with a grade of C or better for the 2nd semester*

The third year of language studies continues to involve students in interactive communicative tasks. Students are becoming more proficient, achieving accuracy in the basic structures. Students will be able to handle many survival and social demands in writing. Students can initiate conversation, sustain lengthier conversations, narrate and describe in the past, present and future. The four skill areas continue to be enforced. Students are introduced to some major literary, artistic and musical works and continue to explore the socio-cultural aspects of the language.

617. French 4

Full year, 10 units

Prerequisite:

- *Completion of French 3 with a grade of B or better for the 2nd semester or*
- *Approval of instructor and Department Chair*

This course continues to build skills in reading and writing. A strong focus will be placed on the ability to acquire the skills necessary to survive in the world around us. The ability to communicate both orally and in the written form will be enhanced. Literary works, music and art will form an important part of their studies.

618. Advanced Placement French Language

Full year, 10 units

Prerequisite:

- *Completion of French 3 with a grade of B+ or better for the 2nd semester*

This advanced level of language studies will enable students to refine all language skills previously learned. Grammatical principles will be reviewed to strengthen accuracy. This class will provide students with a variety of listening, writing and speaking situations. Students will express themselves in formal and informal writing on practical, social and professional topics. Students will continue to explore the history, literary works and socio-cultural systems of the target language. Students enrolled in this course must take the Advanced Placement test in French Language.

645. Chinese 1 (Mandarin)

Full year, 10 units

At the first level of language acquisition, students are introduced to the sounds, basic vocabulary, grammar and structures of the target language. This course aims to involve students in the receptive skills of listening and reading and in the productive skills of speaking and writing. This will enable students to comprehend and use a variety of language functions. The first level of studies seeks as well to raise students' cultural consciousness and to aid them in developing an awareness of basic differences between the target cultures and their own.

647. Chinese 2 (Mandarin)

Full year, 10 units

Prerequisite:

- *Completion of Chinese 1 with a grade of C- or better for the 2nd semester or*
- *Approval of instructor and Department Chair*

The second level of studies is designed to expand and refine the students' listening and speaking skills so they may attain fluency in more complex conversations and narrations. The students' vocabulary will be expanded and new structures will be introduced to increase accuracy, broaden the basis of the four skill areas and further the students' communicative abilities in the target language. The students' familiarity with the peoples and customs of the target cultures will be broadened, offering additional contexts in which students may apply their skills.

648. Chinese 3 (Mandarin)

Full year, 10 units

Prerequisite:

- *Completion of Chinese 2 with a grade of C or better for the 2nd semester or*
- *Approval of instructor and Department chair*

Chinese 3 is an intermediate level Chinese language course. It introduces sophisticated topics and emphasizes use of 250 authentic materials. Cultural learning and development of authentic insight into the

nature of the language and culture are integrated into the curriculum. Students are expected to reach higher levels of proficiency in the target language in terms of speaking, listening, reading, writing and typing.

649. Chinese 4 (Mandarin)

Full year, 10 units

Prerequisite:

- *Completion of Chinese 3 with a grade of C or better for the 2nd semester.*

The course is designed to further improve the students' proficiency in speaking, listening, reading and writing skills. Students will develop more advanced linguistic skills, expand on vocabulary and idiomatic expressions, and systematically review previously studied materials. Culture learning and development of insight into the nature of the language and culture are continually integrated into the curriculum. Students are expected to reach an intermediate-high level of proficiency in the target language in terms of speaking, listening, reading, writing and typing. In addition, students are more natural to demonstrate their understanding of Chinese culture perspectives by behaving in culturally appropriate ways. This course will be conducted primarily in Chinese.

651. Advanced Placement Chinese Language (Mandarin)

Full year, 10 units

Prerequisite:

- *Completion of Chinese 4 with a grade of B+ or better and teacher recommendation or*
- *Successful complete of Language Placement Test and teacher recommendation*

Comment: This course is pending UC approval.

This advanced level of language studies will enable students to refine all language skills previously learned. Grammatical principles will be reviewed to strengthen accuracy. This class will provide students with a variety of listening, writing and speaking situations. Students will express themselves in formal and informal writing on practical, social and professional topics. Students will continue to explore the history, literary works and socio-cultural systems of the target language. Students enrolled in this course must take the Advanced Placement test for Chinese Language.

SPECIAL PROGRAMS

The courses listed in this section of the booklet are limited to students who are approved on an individual basis by the teacher or counselor.

905. IWE - Inside Work Experience

Semester, 5 units, Pass/Fail

Prerequisite: Approval of counselor.

Students who are assigned to *Inside Work Experience* will be required to perform miscellaneous clerical duties for teachers or staff as needed. Students may also be assigned to assist teachers in academic departments. Students should have a good discipline and behavior record.

930. Leadership

Full year, 6 units, Pass/Fail

Comment: Required class for all elected officers.

Offered before school during zero period.

This course is designed to develop those skills that students who have been elected, as leaders need in order to represent their peers, specifically communication and organizational skills. The course will also help student leaders to focus on enhancing the values of justice, equality, responsibility and constructive engagement within the school community. Students are also fully engaged with promoting all aspects of the Holy Cross theme for the school year. Students are required to participate in two workshops/retreats in August and January to prepare for the opening of school and to plan for events during the school year, as well as a service project designed to serve the school, community and the larger Holy Cross family.

945. Student Tutorial

Semester, 5 units, Pass/Fail

Prerequisite: Approval of counselor

Come and make a difference in the lives of students at St. Clement School! Student Tutorial offers MCHS students a chance to take part in helping St. Clement students in grades K-8. You'll work directly with the children, or be an assistant to a teacher, depending on the grade level you choose to work with. This is an important and rewarding opportunity to help younger students be successful. This is your chance to be a role model.

960. Study Skills

Full year, 10 units, Grade 9

Prerequisite: Placement by the Office of Admissions.

This course is intended for students who need assistance in basic skill areas and consists of two components in two semesters. First semester covers the skills component where students are instructed in, practice, and implement a variety of study strategies. These strategies include organizational and time management skills, goal setting, effective note taking from verbal and written information, reading comprehension techniques, test preparation tips, and

implementation of graphic organizers. Students are also taught how to develop a growth mindset. The second semester continues reinforcement of all strategies used semester one and allots time in class to form structured study groups, teacher-student assistance, and individual silent study. As first introduced during semester one, any student with a C- or lower in one or more classes will be completing a signed study contract—referred to as an Academic Action Plan (AAP).

961. Guided Study

Semester, 5 units, Pass/Fail, Grades 10-12

Prerequisite: Placement is determined by the Counseling Department.

This course is intended to provide academic assistance to students. A review of study strategies and organization will also be included. This is a structured study course providing both teacher-student assistance, as well as, individual study.

❖ STEM Courses

Moreau Catholic offers a multitude of STEM courses. (Science, Technology, Engineering, Math)

Science

Anatomy & Physiology
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
Biology
Biotechnology 1
Biotechnology 2
Chemistry
Conceptual Physics
Honors Anatomy & Physiology
Honors Biology
Honors Chemistry
Kinesiology
Physics

Technology

Advanced Digital Graphics
AP Computer Science A
AP Computer Science Principles
Computer Science with Java
Digital Graphics & Multimedia Publishing
Digital Photography
Gaming Analysis and Design
HTML & Web Page Design
Journalism
Video/Film Arts 1
Video/Film Arts 2
Yearbook

Engineering

Engineering 1: Design
Green Engineering
Robotics Engineering

Math

Algebra 1
Algebra 1 – Teach to One
Algebra 2
Analysis and Trigonometry
AP Calculus AB
AP Calculus BC
AP Statistics
Geometry
Honors Algebra 2 (Frosh)
Honors Algebra 2
Honors Geometry
Honors Pre-Calculus
Integrated Math
Math Modeling
Multivariable Calculus
Pre-Calculus

❖ Courses Repeatable for Credit

The following courses may be repeated for credit:

Physical Education

Advanced Physical Education
Advanced Physical Education-Movement for Athletes
Advanced Weight Training & Conditioning
Intermediate PE: Sport or Life Fitness
P.E. Teacher's Assistant
Peak Performance

Visual and Performing Arts (VAPA)

AP Studio Art
Chamber Choir
Chorus
Concert Choir
Concert Dance
Dance Ensemble
Dance Ensemble 2
Honors Choir
Honors Dance
Honors Jazz Ensemble
Honors String Orchestra
Honors Theatre Arts II
Honors Wind Ensemble
Jazz Ensemble
Symphonic Band
Theatre Production
VAPA TA (Drama, Music, etc.)

Special Programs

Guided Study
IWE
Leadership
Student Tutorial

Technology and Media Arts (TAMA)

Computer Project Work Experience
Graphic Design Work Experience
Film & Video Arts 2
Yearbook

❖ UC Eligibility Course List

NOTE: Courses, pending UC approval, are in **bold**.

Only underlined courses will be assigned extra Honors credit for UC eligibility.

a-HISTORY/SOCIAL SCIENCE

American Government
American Law & Justice
AP Government & Politics: U.S. Government
AP Comparative Government
AP US History
Advanced Placement Human Geography
Honors World History
US History
World History

b-ENGLISH

Advanced Composition (Honors)
AP English Literature
Bible as Literature
English 9
English 10
English 11
English for International Students
Essay as Literature
Ethnic Literature
Great Books
Honors English 9
Honors English 10
Honors English 11
Myth and Folklore
Prophecy and Apocalyptic Literature
Science Fiction/Utopian Literature
Senior Seminar
Shakespeare for All Ages
Twentieth Century Literature
Women's Literature
World Literature

c-MATHEMATICS

Algebra 1
Algebra 2
Analysis and Trigonometry
AP Calculus AB
AP Calculus BC
AP Statistics
Geometry
Honors Algebra 2 (Frosh)
Honors Algebra 2
Honors Geometry
Honors Pre-Calculus
Multivariable Calculus
Pre-Calculus

d-LABORATORY SCIENCE

Anatomy and Physiology
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
Biology
Biotechnology 1
Biotechnology 2

Chemistry
Conceptual Physics
Honors Anatomy & Physiology
Honors Biology
Honors Chemistry
Kinesiology
Physics

e-LANGUAGE OTHER THAN ENGLISH

AP Chinese Language
AP French Language
AP Spanish Language
AP Spanish Literature
Chinese 1, 2, 3, 4
French 1, 2, 3, 4
Spanish 1, 2, 3, 4
Spanish 2 Honors
Spanish 3 Honors
Spanish for Native Speakers

f- VISUAL AND PERFORMING ARTS

AP Studio Art
Advanced Art
Advanced Digital Graphics
Advanced Music Theatre: Beyond the Classics
American Music Theatre: History and Practical
Exploration
Ceramics
Chamber Choir
Chorus
Concert Choir
Concert Dance
Costume & Makeup Design
Dance Ensemble
Dance Ensemble 2
Dance Focus
Digital Photography
Drawing
Drawing & Painting 2
Film Appreciation
Honors Choir
Honors Dance
Honors Jazz Ensemble
Honors String Orchestra
Honors Theatre Arts 2
Honors Wind Ensemble
HTML & Web Page Design
Instrumental Music
Jazz Ensemble
Painting
Sculpture
Sculpture 2
String Orchestra
Symphonic Band
Theater Arts Perspective
Theater Arts 1

Continued on Next Page...

f- VISUAL AND PERFORMING ARTS

Theatre Arts: Script Analysis, Conceptualization
and Direction
Film & Video Arts 1
Film & Video Arts 2
Visual Arts

g-ELECTIVE COURSES

AP Computer Science A
AP Computer Science Principles
AP Macroeconomics
AP Microeconomics
AP Psychology
Business Economics
Christian Culture in a Changing World
Civil War in America

Communication: Speech & Debate

Computer Science: Java
Digital Graphics and Multimedia Publishing
Economics
Engineering 1: Design
Ethnic & Cultural Diversity in America
Gaming Analysis and Design
Green Engineering
Introduction to Psychology
Journalism and Modern Media
Major Religions of the World
Mass Media and Popular Arts
Math Modeling
Prophecy and Apocalyptic Literature
Robotics Engineering
Sport and Society

❖ NCAA Eligibility Course List

NOTE: Courses, pending NCAA approval, are in **bold**.

Only underlined courses will be assigned extra Honors or AP credit for NCAA eligibility.

NCAA legislation permits a student to receive credit for a core course only one time. As a result, if a student repeats a core course, the student will only receive credit once for the core course.

ENGLISH

Advanced Composition (Honors)
AP English Literature
Bible as Literature
English 9
English 10
English 11
Essay as Literature
Ethnic Literature
Great Books
Honors English 9
Honors English 10
Honors English 11
Myth and Folklore
Science Fiction/Utopian
Literature
Senior Seminar
Shakespeare for All Ages
Twentieth Century Literature
Women's Literature
World Literature

MATHEMATICS

Algebra 1
Algebra 2
Analysis & Trigonometry
AP Calculus AB
AP Calculus BC
AP Statistics
Geometry
Honors Algebra 2 (Frosh)
Honors Algebra 2
Honors Geometry
Honors Pre-Calculus
Math Modeling
Multivariable Calculus
Pre-Calculus

SCIENCE

Anatomy & Physiology
AP Biology
AP Chemistry
AP Environmental Science
AP Physics
Biology
Biotechnology 1
Biotechnology 2
Chemistry
Conceptual Physics
Engineering 1: Design
Green Engineering
Honors Anatomy & Physiology
Honors Biology
Honors Chemistry
Kinesiology
Physics

SOCIAL SCIENCE

American Government
American Law & Justice
AP American Government
AP Comparative Government
AP Macroeconomics
AP Human Geography
AP Microeconomics
AP Psychology
AP US History
Business Economics
Civil War in America
Communication: Speech &
Debate
Economics
Ethnic & Cultural Diversity
Honors World History
Introduction to Psychology

Sport and Society
U.S. History
World History

WORLD LANGUAGES

AP Chinese Language
AP French Language
AP Spanish Literature
AP Spanish Language
French 1, 2, 3, 4
Chinese 1, 2, 3, 4
Spanish 1, 2, 3, 4
Spanish 2 Honors
Spanish 3 Honors
Spanish for Native Speakers

OTHER

Major Religions of the World