

Cardinal Mooney Catholic High School

Course Catalog

2025-2026



Mission Statement

Cardinal Mooney Catholic High School is dedicated to educating students of all faiths in a Catholic, Christ-centered environment. We strive to develop young men and women with active and creative minds, a sense of understanding and compassion for others, and the courage to act on their beliefs. We stress the total development of each student: spiritual, moral, intellectual, social, emotional, and physical.

Enter to Learn; Leave to Serve

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GRADUATION REQUIREMENTS

Academics are the essential core of a Cardinal Mooney education. A structured course of study helps students grow in their faith, clarify personal goals and provides 21st century skills necessary to pursue future endeavors successfully. With this in mind, an individual course of study is developed for each student based on God-given talents, academic policy of the school and guidance from the school's professional staff.

Cardinal Mooney offers many courses – including core curriculum courses offered on multiple levels. Some of these courses provide required credits for graduation while others provide elective credits. Students are encouraged to seek advice from teachers, counselors and the administrative staff before selecting courses for their own schedule. They also are expected to choose electives that expand their educational and vocational career interests. It is the intent of the school to provide the best possible four-year academic plan with respect to individual abilities, prospects for greatest possible growth, and options open for post-secondary opportunities.

Cardinal Mooney requires each student to take seven courses per semester which will allow them to meet the requirements of the State of Michigan and the Archdiocese of Detroit and accumulate the 28 credits required for Graduation.

Theology	4.0
English	4.0
Mathematics	4.0

Social Science	3.0
Science	3.0
Fine Arts	1.0
Foreign Language	2.0
Health	0.5
Physical Education	0.5
Electives	5.0
Online Experience	1.0

ACADEMIC PROBATION

All students are expected to make satisfactory progress toward graduation. Students must maintain a minimum 2.0 GPA each semester. Students who do not obtain the required GPA will be placed on probation for the following semester. Each student placed on probation will meet with a parent and his or her respective teachers and administration to construct a plan of improvement to be signed by all parties. Students who have not obtained the 2.0 GPA by the start of the semester following probation may be asked not to return to Cardinal Mooney.

HONOR ROLL

To be eligible for the quarterly honor roll, a student may not have a quarter grade below a "B-" (C- in an AP/Honors course)

- Principal's List All A's
- First Honors Minimum of 3 A's, rest B's
- Second Honors All B's or higher

Students reaching honor roll status are recognized at the end of the year with:

- Academic Letter: three of four quarters
- Certificate: two of four quarters
- Merit: one of four quarters

ENROLLMENT PROCEDURES

The interest, effort, and work ethic of the student all have a significant bearing on academic performance. In classes such as English, Mathematics, Social Studies, Science, and World Languages, students will be assigned to the class in which the professional staff feels they can best succeed and maximize their potential. All students have the opportunity to request courses based on individual abilities, interests, talents, and career goals. The school reserves the right to change a student's schedule based on the student's past academic performance and standardized testing results in order to accommodate the needs of the student. **NOTE: Course offerings are always subject to enrollment number and these are solely course requests.**

- Students review the course offerings and note them on their course request sheet. Generally speaking, courses may be taken only one time for credit
- Each student will be expected to maintain a minimum of 7 credits throughout the school year
- Parents and students are encouraged to discuss course requests prior to the students' scheduling courses with administration
- Administration will meet with students to review course requests, course prerequisites, course load, graduation requirements, and students' career educational goals
- Course request sheet must be signed by both student and parent and returned to the front office in order for the course requests to be finalized
- Scheduling conflicts may prohibit placement in electives. Administration will ask students to identify an alternate elective which will be substituted for a conflicting elective course
- Requests for changes in course selection must be made during the "drop/add" time frame and will be based upon course availability. The completed course request represents final course selection and requests for changes will not be honored except as outlined in the next section

- The course request form is not a guarantee that the student will be enrolled in the class and is not a schedule for next year
- **The non-refundable enrollment fee of \$275.00 must be paid to finalize the course request sheet, \$175.00 for the second student, and \$75.00 for the third student.**

POLICIES

Any student receiving an incomplete (I) as a grade has two (2) weeks after the end of the quarter to complete the course requirements. If that is not done, the grade will be automatically calculated and recorded as is.

SCHEDULE CHANGES

We expect students to retain the courses they requested with the advice and consent of their parents, teachers, and advisor. There are, however, circumstances which arise that necessitate a change in the course selected. When a valid reason is presented, adjustments may be made.

VALID REASONS FOR SCHEDULE CHANGE

- Scheduling error – These changes are made as soon as possible at the beginning of the school year
- Resolution of insufficient credits for graduation – The school will make these changes as soon as possible during the summer or at the beginning of the school year
- A Student is enrolled in a course for which she/he has already received credit
- Students have not met prerequisites
- The student is not scheduled for seven periods
- A teacher has recommended that the student advance to a higher-level course
- A teacher has recommended that the student move to a lower-level course

CLASS CHANGE PROCEDURES

- A student obtains a Course Change Request Form from the principal. The student is then responsible to gather information using the guidelines provided on this form for the class change procedure
- A written request and reason for the class change from the student and written approval from a parent
- Written notification from the teacher documenting the student's efforts to pass the course (these efforts must include homework completion, test retakes, and after-school tutoring), as well as the teacher's recommendation for the change
- Written approval for the change from the principal will be the final requirement above all other requirements
- No schedule changes permitted the first 3 days of a semester
- Following the first three days, schedules may be changed within the first five days of the semester

To preserve the continuity of the student's education, multiple schedule change requests will not be granted. Electives can be added only if they meet during the same period as the elective to be dropped. **Requests for a specific teacher or period will not be granted.**

GRADING POLICY WITH REGARD TO SCHEDULE CHANGES

- Students withdrawing from a course with parent, teacher, and principal approval, will transfer the grade to the new course. When a student is moved from an honor or an AP course to a lower-level course, the course weighting will not follow. Course weighting is only awarded at the completion of the course with earned credit.

ELECTIVE COURSES

These courses are marked in the course catalog with a designation of “Elective”. Five elective courses will be required to complete the twenty eight graduation requirements. Students will be asked to rank their top choices from any elective they choose on their course selection form. The goal will be to enroll each student into their top choices, though this cannot be guaranteed.

ADVANCED PLACEMENT AND HONORS COURSES

Enrollment in all Honors and Advanced Placement courses will be based upon the recommendation of the student’s current teacher in the same subject area. If a student is not recommended by the area teacher to take an Honors or Advanced Placement course, he or she may still enroll in the desired course, with the following stipulations:

- The student and parents/guardians must sign a waiver form (available from the administration) acknowledging that the course is being taken without the endorsement of the school. By signing the waiver, the student promises to complete the required summer assignments and remain committed to the Honors or Advanced Placement course for the entire school year (see Schedule Change Procedures)
- Students who enroll in Honors or Advanced Placement courses which require completion of summer assignments, and who fail to complete those assignments, may be dropped from the course
- It is the responsibility of the student to seek out all summer assignments, adhere to all deadlines, and complete work as assigned
- When a student is moved from an honors or an AP course to a CP course, the course weighting will not follow. Course weighting is only awarded at the completion of the course with earned credit

DUAL ENROLLMENT

Dual enrollment courses are taught by a qualified instructor outside of the Cardinal Mooney Catholic staff. A CMC staff member acts as a mentor to help support the student in the online or off-campus learning environment. Grading for these courses will be different than CMC traditional courses:

Students Quarter 1 and Quarter 3 grades will only reflect a grade for attempted work. If a student is not on pace for completion a comment will be added to the report card.

Students Quarter 2, Quarter 4, Exam and Semester grade will reflect the final letter grade earned ranging from A - F.

Regardless of the dual enrollment and online course grading scale the students final grade will be the letter grade earned from the dual enrollment or online course. When necessary the letter grade will be converted to the numeric default grade that coincides with the CMC grading scale.

Students in grades 11-12 may select dual enrollment courses from a variety of postsecondary institutions as long as the course is approved for dual enrollment within CMC’s curriculum. All dual enrollment courses require enrollment for each semester and deadlines vary from institution.

Dual-enrollment classes enable students to take classes at select universities and potentially earn college credit. These students must be responsible and able to learn independently. Self-discipline is essential in having the ability to pace through the duration of their course. **Students must have no grade lower than a B- at the semester level** to be considered for dual enrollment courses.

*Please note that it is the responsibility of the student to check their Cardinal Mooney email and notify the office that they have received enrollment verification from the dual enrollment or online institution. This confirmation will not be sent to the school.

The State of Michigan will pay the full cost of all approved online courses and will pay up to **\$686.29** (based on the 2024-25 school year, the cost may change slightly for the 2025-26 school year) for all approved dual enrollment courses. On average the out of pocket cost for dual enrollment courses is usually no more than \$80.00. Depending on the course student may be required to purchase books, unless the course and books are equal to or less than \$686.29. Dual enrollment and online books are not included in the CMC book buyback program.

Any student that does not receive college credit for a course under the Dual Enrollment legislation is required to **repay the Department of Treasury** any funds that were expended for the course that were not already refunded by the eligible postsecondary institution. Any student that does not receive credit for a course through Michigan Virtual is required to **repay** any funds that were expended for the course. All online courses require enrollment for each semester. To view high school selections from the Michigan Virtual School please go to www.mivhs.org/course

COLLEGE BOUND STUDENT ATHLETES

Students who are planning to enroll in college and wish to participate in NCAA Division I or II athletics or NAIA athletics should schedule a meeting with the counselor to review the eligibility requirements early in their high school career.

NCAA ELIGIBILITY CENTER

Students who are interested in playing at a Division I or Division II School must sign up with the NCAA Eligibility Center at ncaa.org. Students should be aware of the core course requirements to participate in sports. To participate at a Division I school, the student must have successfully completed 16 core courses and meet SAT requirements. To participate at a Division II school, the student must have successfully completed 16 core courses and meet SAT requirements.

To access the approved Cardinal Mooney Catholic NCAA core course requirements and the SAT guidelines, go to www.eligibilitycenter.org. These courses are subject to change without notice by the NCAA Initial Eligibility Center. Students register with the Eligibility Center after completion of their junior year. Please contact the Academic Advisor for further information concerning athletics requirements and eligibility.

ATHLETIC/ACTIVITY ELIGIBILITY

Student athletes must understand that the Athletic Program is an extension of the classroom. It is an important part of their overall education. Athletics offers many opportunities for the total development of each individual person.

Grade Point Average/Classes Passed: Each student athlete must have passed all 7 classes and maintained a 2.0 GPA in the previous semester and be maintaining this status in order to be eligible for the current semester. Students will be monitored after the first four (4) weeks of the semester and then checked every two (2) weeks after that. If a student does not meet the academic standards they will be placed on probation for one (1) week. If academic standards are not brought up to eligible status they will be ineligible for one (1) week. If after one (1) week they have not brought grades up to eligible status they will be ineligible for another week. This will be continued until the student brings grades up or the season is completed.

Note: Previous semester grades will determine current semester eligibility. (must have passed all 7 classes and maintained a 2.0 GPA). This policy is above the MHSAA standards.

COURSE of STUDIES 2025—2026

FINE ARTS

Art 1

9-12-Elective

Art 1 is a project based introductory high school art class for the beginning art student. Concepts taught will include the basic elements and principles of design as well as an assortment of artistic styles and techniques which will be explored and applied to primarily two dimensional projects using various types of media.

Art 2

10-12- Elective

Building off of previously established concepts, Art 2 is an intermediate high school course which will continue to explore the utilization and application of mixed media to two dimensional projects. Students will be encouraged to discover their artistic style through experimentation and use of multiple styles and techniques.

Art 3

11-12 Elective

Focusing on the cultural impact of art throughout the ages, Art 3 is an intermediate course which will allow students to learn and apply techniques used by cultures around the world. With a deeper attention on art history from the

past to present day students will develop a stronger understanding of the importance and cultural impact that art has had on civilization as we know it.

Art 4

Using a culmination of previous concepts students will explore graphic design possibilities through the use of current technologies in this intermediate level class. Emphasis on multimedia tool functions, composition, and experimental techniques will be explored throughout the course.

AP Studio Art

11-12- Elective

Prerequisite: teacher recommendation

AP Studio Art is for students seriously committed to the study of art. Students receive careful attention & guidance as they sharpen their skills, prepare a portfolio, and are made ready for art at the college level. The art world today and the possible careers in art are explored. Students need to be self-motivated and able to meet academic challenges. By May, students are expected to produce a portfolio for Advanced Placement.

LANGUAGE ARTS

English 9

9- Required

English 9 focuses on the student's development in reading and grammar. Students will explore a selection of classic and contemporary narratives and informational texts, including short stories, poetry, novels, drama and essays. The course emphasizes a global appreciation for literature while developing critical thinking skills and enhancing knowledge of vocabulary and literary terms. Students strengthen their written and oral communication skills through various writing and speaking activities.

English 10- American Literature

10-Required

This course examines the history and characteristics of American literature, starting with Native American texts and concluding with postmodernism. Students will experience an assortment of literature, literature representing the many voices contributing to American tradition. Between reading classic literature, students will compose (and revise) their own creative and analytical texts, ranging from poetry to literary analysis.

Honors American Literature

10- Honors

Honors American Literature covers more content than the American Literature class; it requires summer homework, sustained attention to detail, and motivation to complete longer reading assignments. Students must demonstrate a command of language and Standard American grammar, as well as a willingness to grow and challenge themselves as readers and writers.

English 11- British Literature/Advanced Composition

11-Required

British Literature focuses on a chronological survey of British writings. The students will recognize the major authors, movements, forms, and works in British literature as well as respond to literature through discussion and analytical, creative, narrative writing. Students will refine their speaking skills through a variety of oral presentations. They will make connections between literature and history, culture, the arts, and language and engage in research and inquiry for a formal essay.

AP Language and Composition

11 - Teacher Recommended & Administrative Approval

Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP exam in May, and for further study in communications, creative writing, journalism, literature, and composition. A GPA of 3.0 or higher is required with Administration approval. Students are required to take the AP exam in May.

English 12- World Literature

12-Required

In World Literature, students read and analyze works of world literature that reflect the rich and diverse history of all parts of the world. As students' progress through centuries of literature in a loose chronological arrangement, they will see how world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction

provide opportunities for critical writing, creative projects, and class discussions. Students develop vocabulary skills and refresh their knowledge of grammar and mechanics in preparation for college.

AP Literature and Composition

12-Teacher Recommended & Administrative Approval

AP Literature and Composition is a challenging course, and students are expected to read at least one required novel over the summer prior to the class beginning. Students will read more novels and plays than the World Literature class and move at a faster pace. They will increase their vocabulary, complete projects, make oral presentations, and write different types of papers including a critical analysis, timed essays, and literary criticism. Novels, plays, short stories, nonfiction and poetry are read and discussed that cover the history of literature from the Greeks to modern writers. Students are required to take the AP exam in May.

Publications

11-12 Elective

Students in Publications will practice all aspects of the writing and publishing process. Students will research, write, edit, design and publish written work via a school newspaper, yearbook, etc. They will also be exposed to all roles and assignments within our publications team.

Creative Writing

11-12 Elective

Creative Writing will be dedicated to the exploration of creativity in thought as well as in writing. This course is designed to aid students in their creative expression, as well as the delivery of their writing. Many different types of writing will be explored and may include writing such as: poetry, memoirs, graphic novels, scripting, children's literature, and journaling. Students will practice different writing techniques to enhance both the process of writing, as well as the process of creative thinking.

MATHEMATICS

Algebra I

9 Required-Placement Based

Algebra is often called a gatekeeper course because it opens the door to all other areas of study in mathematics. This course builds conceptual understanding, procedural skills and fluency, as well as application in problem solving in the topics of study. Major topics of study include: evaluation of algebraic expressions and solving equations; relations and functions; linear and nonlinear functions; linear inequalities and systems; exponents and roots; exponential functions; polynomials and quadratic functions. Approximately 20 minutes of daily practice or homework outside of class during the school week is expected.

Geometry

9 and 10-Required - Placement Based

Geometry is the study of shapes, sizes and special properties of geometric figures. Students study triangles with emphasis on congruent triangles and their applications; properties of quadrilaterals including parallelograms, rhombuses, rectangles and squares; transformations of geometric figures; similarity of geometric figures and the use of proportions; right triangles and trigonometry; circles including angles and segments in relationship to the circle; areas of polygons and circles; solid figures including surface area and volume. Students are exposed to constructions and coordinate geometry with each unit. Applications of geometric principles are made to today's world and to other fields of mathematics. Problem solving/logical reasoning is a major component of this course as students learn to plan and write both formal and informal proofs.

Honors Geometry

9 or 10

Honors Geometry is a course in Euclidean and Coordinate Geometry and incorporates aspects of Algebra. Students will use various deductive proof styles to verify geometric concepts. Geometry builds the foundation of analytical thinking crucial to higher level mathematics as well as ACT/SAT preparation. Honors level Geometry works at increased pacing and depth in comparison to the non-Honors option.

Algebra II

10-12-Required

Algebra 2 emphasizes problem solving, reasoning, and the discovery of patterns. Major topics of study include: functions; linear equations, inequalities and systems; quadratic functions; polynomial and polynomial functions and operations; inverse and radical functions, exponential and logarithmic functions. Students are expected to use technology as a tool, communicate and collaborate effectively and demonstrate perseverance in showing work for

multi step problems and graphing. Approximately 20 minutes of daily practice or homework outside of class is expected.

Honors Algebra II/Trigonometry

10 or 11 Placement

Honors Algebra II/Trigonometry emphasizes problem solving, reasoning, and the discovery of patterns. Major topics of study include: functions; linear equations, inequalities and systems; quadratic functions; polynomial and polynomial functions and operations; inverse and radical functions, exponential and logarithmic functions. The honors level course will also prepare students more for Pre-Calculus and Calculus classes by covering Trigonometry with Trigonometric functions, identities, and equations.

Honors Pre-Calculus

11-12 Elective

Honors Pre-Calculus will include Trigonometry and other topics that are necessary in the study of calculus. Basic trigonometric functions are studied using both the methods of Euclidean and analytic geometry. Topics covered include radian measurement, solving right triangles, trigonometry on the coordinate system, graphs of trig functions, verifying trig identities, solving trig equations, and using the law of Sines and the Law of Cosines. Other units included are those on functions, logarithms, sequences and series, and the conic sections.

Calculus (non-AP)

12 - Teacher Recommended & Administrative Approval

This will cover the same topics as the AP Calculus class, using similar assignments and assessments. Students will not be required to take the AP test at the end of the year. This class will help lay solid foundations for college mathematics classes for students potentially interested in science, engineering, and/or technology fields that require Calculus-level mathematics and beyond.

AP Calculus

12 - Teacher Recommended & Administrative Approval

AP Calculus is the study of calculus of one variable. Topics include a review of functions and graphs; limits evaluated graphically, numerically and analytically including infinite and one sided limits; the derivative including basic rules, the chain rule and implicit differentiation; applications of derivatives especially related rates of change; finding extrema, intervals of increasing or decreasing, and concavity of functions, and optimization; the process of integration with emphasis on Riemann's sum and the fundamental theorem of calculus; and basic integrations techniques. Students are required to take the AP exam in May.

Statistics (One Semester)

12- Elective

This class will emphasize the applications of statistics. Students will learn to collect and organize data. They will study various sampling techniques. They will describe and interpret the data, calculating averages, standard deviations and correlation coefficients. Students will perform tests on significance in order to draw inferences, make predictions and decisions. This course is intended for students desiring a fourth year of mathematics but do not wish precalculus or calculus, or for students wishing to take this class concurrently with precalculus or calculus.

Personal Finance (One Semester)

12 - Required

Personal Finance is a math course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

Intro to Business and Marketing

11-12 Elective

This course is an introduction to marketing and business. This course is designed for the student who has an interest in business and marketing. Topics covered include basic marketing and economic concepts, selling, advertising and promotion. In addition to marketing topics, students will learn about forms of business organizations, finance, human resources management, entrepreneurship, business ethics, and the changing business environment. One focus in this class will be the daily operation of the Cardinal Cage, our school store. Students will work side by side with our Cardinal Cage managers and vendors to conduct market research, develop promotions, track sales, inventory, etc. The students will be the link between the store and the school community. The students will interact with students, teachers, and staff to determine the needs of the Cardinal Mooney Community.

PHYSICAL EDUCATION DEPARTMENT

Physical Education

9-10-Required One Semester

Physical Education is designed to promote fitness and life-long leisure activities by exposing students to a variety of team and individual sports such as: Pickleball, Volleyball, Basketball, and other unique fitness games. There is an emphasis on skill development, social teamwork and fitness evaluations that will empower students the knowledge and understanding for various life-long activities. Students will demonstrate the ability to perform basic and advanced skills and tactics to participate in various sporting activities.

Weight Training

10-12–Elective

Advanced Physical Education is designed to further enhance the fitness skills learned in regular Physical Education and promote the development of a fit, healthy lifestyle. The focus of the class will address the five components of fitness: resting measurements, cardiorespiratory endurance, muscular strength, muscular endurance and flexibility. Students will also go in depth, learning about the muscular system, thus being able to identify correct lifting techniques to strengthen each group. Students will be encouraged to personalize and maintain a fitness plan that helps them to achieve their own personal fitness goals. With this course as a guide, students will be empowered to create positive health behaviors within their own fitness and wellness throughout their lifetimes.

Life Skills

10-12–Elective

The Life Skills class offers students an opportunity to explore things in life that they will experience after they graduate from high school. Some of the topics include basic automotive and home maintenance, maintaining a checking account, nutritious eating, and setting and keeping a budget. Other topics may be discussed that are of interest to the class.

Health

9-Required (One Semester)

Health class covers social issues and general health concepts associated with today's youth. It focuses on the most current information concerning modern problems such as nutrition, emotional and mental health, family life, substance abuse, smoking, and public health.

SCIENCE

Biology

9-Required

Biology will begin with an introduction to biology and the methods of science. Ecology with an emphasis on ecosystems and how energy flows through biomes with the relationship to organisms will be explored. Population and human ecology with problems facing biodiversity will be studied. Next, the topic of the chemical basis for life will be reviewed along with the study of how a cell is built and how it works. The next section of the course covers genetics that allows the cell to reproduce itself and maintain information. The last third of the class covers the evolutionary progression of the main Kingdoms of organisms and their component divisions.

AP Biology

11-12 Teacher Recommended & Administrative Approval

AP Biology has four unit themes: Ecological Relationships, Molecular Biology, Reproduction and Development, and Evolution and Genetics. Appropriate laboratory work, scientific writing, microscopic investigation and projects will enrich the principles of each unit so students can see how everything fits into the grand scheme of Biology. Successful completion of Honors Biology recommended. Students are required to take the AP exam in May. The class will include a variety of forms of laboratory work, projects, and daily work to reinforce the main concepts. Although presented at the college prep level, this course is intended to be an introductory class to biological study.

Chemistry

10-Required

Chemistry is the study of the composition of materials and the changes that they may undergo. This course introduces the fundamentals of chemistry: metric system, chemical math, gas laws, atomic theory, chemical bonding, formula writing, equation balancing, predicting chemical reactions, stoichiometry, acid-base chemistry. This course emphasizes laboratory work, lectures and demonstrations.

Honors Chemistry

10- Honors

Honors Chemistry is the study of the composition of materials and the changes that they may undergo. This course introduces the fundamentals of chemistry: metric system, chemical math, gas laws, atomic theory, chemical bonding, formula writing, equation balancing, predicting chemical reactions, stoichiometry, chemical kinetics, chemical equilibrium, acid-base chemistry, oxidation-reduction reactions and possibly an introduction to organic chemistry at

an accelerated pace. The material is presented in a greater depth and a faster pace than in regular chemistry. This course emphasizes laboratory work, lectures and demonstrations.

AP Chemistry

11-12- Teacher Recommended & Administrative Approval

AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This course is structured around the six big ideas articulated in the AP chemistry curriculum framework provided by the College Board: Structure of Matter; Atoms, Elements, and Periodicity; Properties of Matter; Chemical Reactions; Rates of Chemical Reactions; Chemical Thermodynamic; Chemical Equilibrium. Successful completion of Honors Chemistry and Algebra II courses are recommended. Students are required to take the AP exam in May

Anatomy & Physiology

11-12-Elective

Anatomy & Physiology class will focus on the structure and function of a vertebrate organism through laboratory investigation, lectures, projects and daily work. The course covers all the major systems in the vertebrate through cell and tissue investigation to macroscopic study of organs and systems. Dissection and microscopic work through projects and other activities will be done that relate to the system. The course also gives an overview of the structure and functioning of a typical mammal. Successful completion of Biology or Honors Biology recommended.

Physics

11-12-Elective

Physics class will cover the relationships between matter and energy and the changes that they undergo, applications of Newton's laws of motion and technological developments that affect society and the environment, waves and sounds, electricity and magnetism. A combined approach of lecture, discussion, labs, and mathematical application brings the topic into an everyday perspective.

Forensic Science

10-12 Elective

Forensics is the application of science to criminal activity for the purpose of discovery. This course is about how, why, and where to examine evidence in order to get the most pertinent information from a crime scene. The main part of the course details many of the more popular topics in forensic chemistry: soil, fingerprints, hair, fiber, blood and DNA typing, handwriting and eyewitness testimony. Students will learn and practice how each type of evidence is discovered and processed.

SOCIAL SCIENCE

World History

9-Required

World History will provide students with the analytical and factual knowledge necessary to deal with the problems and materials in World History. Prepare students to understand the nine themes that include politics and history, the role of ideas, economics and history, the importance of cultural development, religion in history, the role of individuals, the impact of science and technology, the environment, and social life. Develop the necessary skills to arrive at conclusions on the basis of an informal judgment and to present reasons and evidence clearly and persuasively in easy format.

Honors World History

9-Honors

Although the class begins by examining the impact of Greco-Roman and Judeo-Christianity on the rise of Western political thought and democracy, the majority of the course focuses on the major turning points of the modern world from the late 18th century to the present. After examining the evolution of democracy in the ancient world we move to the Enlightenment and discover the world of philosophes, natural rights, and the American and French Revolutions. The Industrial Revolution not only led to a transformation of economic life but led to a new imperialism which will also transform international relations and, some will argue, contributed to the rise of colonial nationalism, World War I and the Russian Revolution. After World War I Europe entered into an ideological contest between fascism, communism and democracy which laid the foundation for the rise of Nazism, World War II and the Holocaust. The new world order created after World War II will focus on the Cold War and such events as the Korean and Vietnam wars, the Cuban Missile Crisis, as well as other post-World War II events. Contemporary world issues such as globalization, economic interdependence, the clash of fundamentalist theocracy with modern nationalism and the rise of terrorism will also factor into our analysis of international conflict and cooperation.

US History

10-Required

US History is a year-long two semester course analyzing the origins of the American nation in the Founding Era and the Civil War and then concentrates on the emergence of the modern era from the beginnings of the Industrial Revolution in 1870 to the end of WWII and Post War America. The course prepares students to grapple with fundamental questions concerning the history of the United States from the proper role of government in representative democracy to the role of social movements in shaping the character of the American experience. Close attention will be paid to the role of America in world affairs as well as examining how the economic conditions and policies have shaped the response of government and ordinary citizens alike. At the conclusion of the course students will have a ready command of the details of American history, allowing them both the historical perspective to comment on particulars as well as inform their thinking regarding current issues.

AP US History

10-Teacher Recommended & Administrative Approval

AP US History provides students with the analytical and factual knowledge necessary to deal with the problems and materials in U.S. History. Prepare students for intermediate and advanced college courses by making demands upon them that are equivalent to those made by introductory college courses. Teach students to assess historical materials – their relevance to given interpretive problems, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship. Develop the necessary skills to arrive at conclusions on the basis of an informal judgment and to present reasons and evidence clearly and persuasively in easy format. (Students are expected to complete summer work prior to the class) It is required to take the AP exam in May.

US Government

11-Required (First Semester)

U.S. Government incorporates the foundations of government, government systems, types of government, political systems, and the founding ideals of American Government. It is an introductory course that will develop an appreciation of the principles of the Constitution including but not limited to, Popular Sovereignty, Limited Government, Separation of Powers, Checks and Balances, Judicial Review and Federalism. U.S. Government also includes the study of the interrelationship between American Government and American economic systems. Methods of instruction include reading/note taking, lecture/discussion, large and small group work, individual research, community resources, role-playing and simulations, oral presentation, and critical thinking skills. The goal of U.S. Government is to equip students with the knowledge that will enable them to participate effectively in civic life in America.

Economics

11-Required (Second Semester)

Economics will cover the basic concepts of micro and macroeconomics. Students will be introduced to concepts of supply and demand; types of economies; competition; fiscal policy; monetary policy and international trade. Students will be introduced and become familiar with how people and societies make economic decisions and the impact those decisions have on societies and cultures. Foundational concepts including, the parallels and differences between various economic systems (free-market/capitalism, command, ancient command, traditional, and mixed), opportunity cost, the problems arising from scarcity, market structures, comparative and absolute advantage, specialization, division of labor, and the goals of the American economy. A critical component of the course is the emphasis that is placed on developing student's financial literacy. The course also relates the significance and impact history and politics have on economics.

AP US Government, Politics & Economics

11-Teacher Recommended & Administrative Approval

AP US Government, Politics & Economics is a course that requires the student to become familiar with the various institutions, groups, beliefs and ideas that constitute U.S. government and politics. Students will be required to analyze and interpret information contained in their textbook, current events, classroom discussions and various media sources. They will become very familiar with economic policies, both fiscal and monetary. Students are required to take the AP exam in May. (Students are expected to complete summer work prior to the class beginning)

AP Human Geography

10-12-Teacher Recommended & Administrative Approval

AP Human Geography is an introductory college course that will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Students are required to take the AP exam in May.

20th Century History**10-12 Elective**

20th Century History is a course providing an in-depth look at the history of the United States beginning with World War II until the present day. Throughout the semester students will learn about the effects the Second World War had on the nation and the world, the Cold War, the civil rights movement, the Vietnam War, the politics and economics of the time period and the country's challenges for the new century. The curriculum includes the reading and discussion of the text, videos to enhance learning, group and research projects, and other various learning activities.

Current Events**10-12 Elective**

The study of the world around us in the 21st Century. Topics will range from political parties and presidential elections, the war on terror, immigration, crime in America, etc. We will utilize different media outlets including the internet, television news, and of course, the newspaper. Students will be expected to participate in daily classroom discussions, debates and projects as we analyze major topics

Mock Trial**9-12-Elective**

Mock Trial focuses on developing the knowledge and skills necessary to live in our law-saturated society. Our co-curricular forensics program provides a wide variety of opportunities for students to improve their skills in public speaking, disciplines of rhetoric, logic, and argumentation. Additionally, the students will have a practical understanding of law, the legal system, and how it affects us. In addition, the student will develop an awareness of current issues, a great sense of justice, tolerance and fairness.

Honors Sociology**10-12-Elective**

Sociology is centered on the behavior of people in groups and society. Topics included are perspectives in sociology, culture, socialization, social institutions, social interaction, groups, deviance, social change, collective behavior, and competition in society. Activities include sociological research, group activities and simulations, individual assignments, group and individual projects, as well as standard testing.

THEOLOGY**Faith and Revelation: Knowing God through Sacred Scripture****9 - Required**

This course explores the relationship and complementarity that exist between human reason and Divine Revelation. It focuses on what Catholics believe, why they believe it, and why it is reasonable to believe it.

The Blessed Trinity and Our Christian Vocation**9 - Required**

This course presents the Blessed Trinity—one God in three divine Persons: Father, Son, and Holy Spirit—which is the central mystery of the Christian Faith. We are called to know and love God and to share in His divine life. Following the Nicene Creed and based on Sacred Scripture, the role of each Person of the Blessed Trinity in the plan of salvation and the Christian life is examined. It also looks at the role of the Blessed Virgin Mary as the Mother of God, Mediatrix, and Intercessor for all people.

The Mystery of Redemption and Christian Discipleship**10 - Required**

This course examines Original Sin; the meaning of redemption; and how the salvific promise made to our first parents is fulfilled in the life, Death, Resurrection, and Ascension of Jesus Christ. It explains how the Church continues the redemptive mission of Jesus Christ in the world today and how His redemption is applied in our own lives. The course also looks at how we are called to be formed in the image of Christ, Who is the exemplar of the Christian life, and to cooperate with God's grace in every instance of our lives.

The Church: The Sacrament of Salvation**10 - Required**

The Church, established by Jesus Christ and guided by the Holy Spirit, continues the salvific ministry of Christ in the world today; thus, the Church is both the Sacrament of Communion and the Sacrament of Salvation. This course presents the mission of the Church; her infallible teaching authority; the Sacraments as the primary means of transmitting God's grace; the role of the Blessed Virgin Mary, the Mother of the Church; the Universal Call to Holiness; and the four marks of the Church.

The Sacraments: Source of Our Life in Christ**11 - Required**

Jesus Christ instituted the Sacraments and entrusted them to His Church as a primary means of transmitting grace, which helps us to live the Christian life. This course presents each of the Seven Sacraments individually, explains how it is celebrated, and describes its purpose in the Christian life as an intimate encounter with Jesus Christ. It also examines Christian liturgy as well as popular prayers, devotions, and sacramentals.

The History of the Church

11 - Required

This course presents the story of God's definitive intervention into human history from the Incarnation of the Son and continues through His Church to the present day. In His plan of salvation, God sent the Holy Spirit to act through members of the Church to further His salvific mission to the whole world. It examines the lives of the saints and how they—by cooperating with God's grace in response to their divine vocations—helped to shape the life of the Church as well as Christian society and culture. Students will examine the complicated, yet grace filled history of the Church, looking not only at the hard times the Church has endured, but also her many triumphs.

Our Moral Life in Christ

12 - Required

A well-formed conscience is essential to make moral decisions. This course aids the formation of our consciences by presenting an overview of the moral teachings of the Catholic Church. Following the Ten Commandments as elevated and perfected by Jesus Christ and the Beatitudes, it shows how we, aided by God's grace, can imitate the life of Christ in every circumstance of our lives. It examines topics important to social justice and the inviolable sacredness of human life.

The Scriptures

12 - Required

Sacred Scripture is an inspired and infallible record of God's self-Revelation to his people and the gradual unfolding of his plan of salvation. This text explains how to read Sacred Scripture with the Church and presents overviews of the books of the Bible and their importance to the teachings of the Church. It also shows how the covenants and promises that God made with his people in the Old Testament are fulfilled by the New Covenant in Jesus Christ, who is the Word of God.

WORLD LANGUAGE (2 years of HS foreign language taken in succession required at CMC or 3 years if dual enrolled) The World Language Department of CMC organizes European trips every 2-3 years, open to all students.

Spanish 1

Spanish 1 introduces the students to the Spanish language and culture. The course focuses on reading and comprehending short dialogues in Spanish. Students will develop basic vocabulary and grammatical skills to be used in conversational exercises.

Spanish 2

Spanish 2 is a continuation of Spanish 1 with emphasis on grammar, culture, history, and geography of Hispanic speaking nations. In addition to material presented in the texts, students are introduced to selected readings and short stories from a variety of sources including children's books and newspapers.

Honors Spanish 3 (strongly recommended for college admissions)

Honors Spanish 3 is a course for the intermediate Spanish student that focuses on a continuing development of conversational skills as well as the **reading** and **writing** of Spanish. In addition to the text, students read and discuss children's books, short stories, and newspaper articles in Spanish.

Honors Spanish 4 (recommended for college admissions)

Honors Spanish 4 builds and expands on the first three years of Spanish. In this course, students will continue the balanced approach, but at a more complex level. The course is designed to improve the students' oral communication skills, competency in written expression, and comprehension of historical and literary excerpts. Hispanic cultural studies continue in a more complete and extensive perspective including art, literature, history and way of life.

French 1

French 1 will focus on the areas of listening, reading, writing and speaking. The first year student will be able to use the present tense of frequently used verbs in all forms of speech: statements, questions and negative sentences. Students will be introduced to the French-speaking world, customs and traditions by means of audio, video, and cutting-edge technology. Cultural studies include French cuisine, school system, family life, calendar, music, geography and art.

French 2

French 2 students will demonstrate reading, listening, writing and speaking proficiency in the passé composé, recent past, near future and imperfect tense, imperative mood and other grammatical concepts. French historical and cultural knowledge will be closely related to the grammatical and lexical structure of the course.

Honors French 3 (strongly recommended for college admissions)

French 3 will demonstrate listening, reading, writing and speaking proficiency in the following tenses: imperfect, pluperfect, present of conditional, and present of subjunctive used in different linguistic situations. Students will also study the French-speaking world. Studies of culture, literature and history will continue.

Honors French 4 (recommended for college admissions)

Honors French 4 builds and expands on the first three years of French. In this course, students will continue the balanced approach, but at a more complex level. The course is designed to improve the students' oral communication skills, competency in written expression, and comprehension of historical and literary excerpts. The French cultural studies continue in a more complete and extensive perspective including art, literature, religion, history and way of life.

Honors Italian 4 (recommended for college admissions)

Honors Italian 4 builds and expands on the first three years of Italian study through further development of oral proficiency, written expression, reading comprehension, awareness and knowledge of important characteristics of Italian culture such as family, education, cinema, health care, music, politics, mass media, and catholic tradition by using authentic materials, audio, video, and cutting-edge technology.