



St. Maria Goretti Catholic High School



2021-2022
Course Descriptions

**ST. MARIA GORETTI HIGH SCHOOL
COURSE DESCRIPTIONS 2020-2021**

Mission Statement

**Our mission is to provide a Catholic college preparatory education
inspiring academic excellence, spiritual growth, leadership, and service.**

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ACADEMIC PROGRAM

Requirements

All students in order to graduate must pass all required courses and fulfill all academic requirements. The academic requirements are consistent with the State of Maryland's requirements for graduation.

Requirements are as follows:

English 4 credits Required courses: Intro to Literature and Composition. World Literature, American Literature, British Literature (or AP American Literature & Composition)

Math 4 credits Required courses: Algebra I, Geometry, Algebra II

Science 3 credits Required courses: Biology, Chemistry

Social Studies 3 credits Required courses U.S. History, U.S. Government, & World History

Theology 4 credits Yearly retreats required

Foreign Language 3 credits

Physical Education .5 credit

Health .5 credit

Fine Arts 1 credit

Technology 1 credit (Requirement met via Chromebook Program)

Electives 4 credits

Total 28 credits

All students are required to complete 100 hours (25 hours per year) in the Community Service Program in order to graduate.

AP Exams: Students who are enrolled in an AP course are expected to take the AP exam. There is a fee (approx. \$100). Admittance to Honors and AP courses is subject to instructor recommendation as well as successful completion of the prior course in the academic sequence. Prerequisites are included with course descriptions.

2021-2022 Course Descriptions

THEOLOGY

Requirements – Four years of Theology are a requirement for all students. Service Learning requirement (a minimum of 25 service hours per academic year) is a pass/fail component of the Theology grade.

THEO 101 – The Revelation of Christ in Scripture (.5 Credit) -- Year: 9 Required

This course offers students a general knowledge and appreciation of the Christian Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

THEO 102-- Encountering Christ (.5 Credit) -- Year: 9 Required

In this course, students are introduced to the work and person of Jesus Christ, the living Word of God and the second person of the Trinity. Students will explore the understanding that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

Prerequisite: Theo 101

THEO 201-- The Paschal Mystery (.5 Credit) -- Year: 10 Required

This course helps students to further understand all that God has done for us through His Son, Jesus Christ. Students will discover that—for all eternity—God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. A separate chastity unit is included at the end of this course.

Prerequisite: Theo 102

THEO 202--The Church is Christ's Body (.5 Credit) -- Year: 10 Required

This course is intended to help students understand that, in and through the Church, they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know how the Church is the living Body of Christ today, with both divine and human elements. In this course, students will learn about the sacred nature of the Church through the events in the life and history of the Church.

Prerequisite: Theo 201

THEO 301--The Sacraments (.5 Credit) -- Year: 11 Required

In this course, students will more fully realize that they can encounter Christ today in a full and real way in and through the sacraments, especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may profoundly encounter Christ throughout their lives.

Prerequisite: Theo 202

THEO 302-- The Moral Life in Christ (.5 Credit) -- Year: 11 Required

This course helps students to understand that it is only through Christ that they can fully live out God's plans for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples, built on the foundation of the Ten Commandments.

Prerequisite: Theo 301

THEO 401--Catholic Social Teaching (.5 Credit) -- Year: 12 Required

This course introduces students to the Church's social teaching. In particular, students will learn how Christ's concern for others, especially the poor and vulnerable, is present today in the Church's social teaching and mission. Using "Faith-in-Action" methodology, a wide range of social justice topics will be discussed and analyzed.

Prerequisite: Theo 302

THEO 402-- Christ's Church & World Religions (.5 Credit) -- Year: 12 Required

In this course students will come to understand the manner in which the Catholic Church relates to non-Catholic Christians as well as other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian Churches as well as non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.

Prerequisite: Theo 401

ENGLISH

Requirements: Four complete years of English are a requirement for all students.

Courses are available in college preparatory, honors, and early-to-college. English teacher recommendation, writing sample, and minimum grade average in prior-year classes are required for transitioning between on-level (UP) and advanced (Honors) placement. Electives are available for students in grades 11 & 12 who wish to continue the development of their skills in literary analysis, speaking, and writing.

ENGL 101--Intro to Literature and Composition (1 credit) -- Year: 9 Required

This course combines a genre-based survey of literature with the study of vocabulary, grammar, and usage. Students read and respond to poetry, novels, short stories, and drama with a focus on developing an increasing ability to respond critically to the material both in class discussion and written form. Students will explore literary devices and methods in order to more fully respond to literature. Texts may include *The Hunger Games* by Suzanne Collins, *The House on Mango Street* by Sandra Cisneros, *Romeo and Juliet* by William Shakespeare, and *To Kill a Mockingbird* by Harper Lee.

ENGL 101H--Intro to Literature and Composition Honors (1 credit) -- Year: 9 Elective

This course combines a genre-based survey of literature with the study of vocabulary, grammar, and usage. Students read and respond to poetry, novels, short stories, and drama with a focus on developing an increasing ability to respond critically to the material both in class discussion and written form. Students will explore literary devices and methods in order to more fully respond to literature. Texts may include *The Hunger Games* by Suzanne Collins, *The House on Mango Street* by Sandra Cisneros, *Romeo and Juliet* by William Shakespeare, and *To Kill a Mockingbird* by Harper Lee. Prerequisite: Incoming freshmen requesting placement in Intro to Literature and Composition Honors will be placed into the course based on faculty discretion following the Freshman Placement Test.

ENGL 201--World Literature (1 credit) -- Year: 10 Required

World Literature, the College-Preparatory course of English II, focuses on different pieces of literature and different lenses found throughout the World. Through the exploration and analysis of short stories, poetry, drama, novels, and nonfiction texts, students will study literature from various regions around the world. Texts may include works from the following authors: Yamile Saied Méndez, Art Spiegelman, James Joyce, D. H. Lawrence, Amy Tan, Jennifer Nansugba Makumbi, and Leslie Marmon Silko. Writing and reading comprehension skills will be enhanced through weekly vocabulary acquisition, formative projects, and progressing through the *Explication de Texte*. Prerequisite: Successful completion of ENGL 101 or ENGL 101 Honors

ENGL 201H--World Literature Honors (1 credit) -- Year: 10 Elective

Honors World Literature, the honors-level course of English II, focuses on different pieces of literature and different lenses found throughout the world. Through the exploration and analysis of short stories, poetry, drama, novels, and nonfiction texts, students will study literature from various regions around the world. Texts may include works from the following authors: Yamile Saied Méndez, Art Spiegelman, James Joyce, D. H. Lawrence, Amy Tan, Jennifer Nansugba Makumbi, and Leslie Marmon Silko. Writing and reading comprehension skills will be enhanced through weekly vocabulary acquisition, formative projects, and progressing through the *Explication de Texte*. A high-level of proficiency in writing and reading skills are expected for this course. **Prerequisite:** 90% average from ENGL 101, 85% average from ENGL 101 Honors

ENGL 301--American Literature (1 credit) -- Year: 11, 12 Required

Juniors will explore the major genres and significant periods of literary development in this traditional survey of American literature. Through their reading of representative works of fiction and non-fiction from each era, students will gain a comprehensive overview of the issues and ideas that have shaped our national literature. Selections may include works from the following authors: Walt Whitman, Langston Hughes, Hans Christian Anderson, Edgar A. Poe, Charlotte Perkins Gillman, F. Scott Fitzgerald, Lorraine Hansberry, James Baldwin, Flannery O'Connor, and Joyce Carol Oates. In addition, students will develop and refine their critical reading and literary analysis skills through both traditional essays and informal in-class writing opportunities. The acquisition of these skills, combined with systematic vocabulary instruction, will prepare students for the SAT and ACT college admissions tests.

Prerequisite: Successful completion of ENGL 201 or ENGL 201 Honors

ENGL 301H--American Literature Honors (1 credit) -- Year: 11, 12 Elective

In this course, juniors will learn the fundamentals of rhetoric, close reading, argument, and synthesis in this examination of American literature. They will grasp the rhetorical concepts and apply them to both written and visual texts. Students will learn about the analysis of diction and syntax with an emphasis on their literary effects. In addition, students will be introduced to the essential language of argument: claims, evidence, fallacies, and arrangement. Students will use this language to explore ideas, craft arguable claims, develop evidence, and construct persuasive essays. Finally, students will understand the effective synthesis of multiple sources in developing an informed argument. We will explore these four areas of focus using the works of classic American writers. Selections may include works from the following authors: Walt Whitman, Langston Hughes, Hans Christian Anderson, Edgar A. Poe, Charlotte Perkins Gillman, F. Scott Fitzgerald, Lorraine Hansberry, James Baldwin, Flannery O'Connor, and Joyce Carol Oates. In addition, students will develop and refine their critical reading and literary analysis skills through both traditional essays and informal in-class writing opportunities. The acquisition of these skills, combined with systematic vocabulary instruction, will prepare students for the AP Language and Composition exam and the SAT and ACT college admissions tests.

Prerequisite: 90% average from ENGL 201, 85% average from ENGL 201 Honors

ENGL 401H-- Advanced Literature & Composition (1 credit) -- Year: 12 Elective

This course focuses on the great English poets, Shakespeare, and the rise and development of the English language from literary and historical perspectives. Students will read excerpts from *The Dream of the Rood*, *The Canterbury Tales*, *Sir Gawain and the Green Knight*, selections from Arthurian legend, Elizabethan sonnets, Shakespeare's *A Midsummer Night's Dream*, various poems from the Romantics, and moving into various texts from the modern era. Formal essays, in-class writings, quizzes, tests, and projects will provide students with a strong and deep foundation from which to address the various kinds of reading, thinking, and writing challenges they will meet during their freshman year in college.

Prerequisite: 90% average from ENGL 301, 85% average from ENGL 301 Honors.

SOCIAL STUDIES

Requirements – All students are required to take and receive a passing grade in U.S. History, U. S. Government, and World History. Students in grades 10-12 may take AP Government/ETC Gov/World to fulfill the Government/World requirement if not previously met.

SS 101--U.S. History (1 Credit) -- Year: 9 Required

Beginning with a focus on the creation of the American republic, students will explore the development of American government, economy, and society. This course will examine the turning points in modern American history, with an emphasis on the role of the United States on the world stage as well as the changes in American culture since WWII. As a foundational course, U.S. History will build reading and writing skills, as well as include simulations, debates, and projects.

SS 101H-- U.S. History H (1 Credit) -- Year: 9 Elective

Beginning with a focus on the creation of the American republic, students will explore the development of American government, economy, and society. This course will analyze the turning points in modern American history, culminating in an examination of challenges of balancing security while preserving the founding ideals. As an honors course, U.S. History Honors requires intensive reading, including primary sources, participation in seminar-style discussions, and rigorous writing assignments.

Prerequisites: For incoming freshmen requesting Honors placement, available test scores, such as the HSPT or PARCC, will be reviewed. Teacher recommendation from the prior school also may be provided in cases where test scores are not indicative of the student's performance.

SS 201--U. S. Government & Politics (1 Credit) -- Year: 10

Required: This survey course addresses the functions of local, state and federal government in the United States and the role of citizen participation in each. This course also includes the basic provisions and principles of the Constitution and its growth through amendments. Legislative and executive roles and Supreme Court decisions are researched and discussed, as well as conservative and liberal views of the role of the government in the economy. The function of political parties, responsibilities of citizens, and political behavior are also examined in this course. Various enrichment materials, such as historical documents, newspapers, and current event reports, enable the student to understand how our government continues to develop.

SS 201H--U. S. Government & Politics H (1 Credit) -- Year: 10 Elective

This survey course addresses the functions of local, state and federal government in the United States and the role of citizen participation in each. Students will explore separation of powers, federalism, significant Supreme Court decisions, checks & balances, voter behavior, grassroots movements, and the role of the media in politics. As an Honors course, students will work with primary & secondary sources, taking into account a diversity of perspectives.

Prerequisite: Teacher recommendation is required for placement.

SS 301--World History (1 Credit) -- Year: 11 Elective

Beginning with a focus on the key beliefs and influence of six major world religions, this course will trace the development of civilizations around the world. Students will examine the religious, political, and economic developments of the Ancient Empires and will trace the rise of feudalism, trading networks, and exploration. The course will explore the intellectual, scientific, and economic trends which allowed European nations to attain dominance in the first global age as well as the individuals, nations and international organizations who have framed the modern world. As a foundational course, World History CP will build reading, writing, and geography skills, as well as include simulations, debates, and projects.

SS 301H--World History H (1 Credit) -- Year: 11 Elective

Beginning with a focus on the key beliefs and influence of six major world religions, this course will trace the development of civilizations around the world. Students will examine the religious, political, and economic developments of the Ancient Empires and will trace the rise of feudalism, trading networks, and exploration. The course will explore the intellectual, scientific, and economic trends which allowed European nations to attain dominance in the first global age as well as the individuals, nations, and international organizations who have framed the modern world. As an honors level course, students will work with primary and secondary sources in order to analyze historical evidence and historical interpretation, and develop the ability to express historical understanding in writing.

Prerequisite: Teacher recommendation is required for placement.

SS 405--History of Justice (1 Credit) -- Year: 10,11,12 Elective

This elective course is a journey that starts by exploring the students' backgrounds in order to launch a trek around the world, exploring the diversity of cultures through geography, history, population, languages, art, music, religion, food, dress and social traditions. The object of the class is to make students aware not only of the differences there are between us, but also of our similarities.

SS 406--Sociology (1 Credit) -- Year: 11,12 Elective

Sociology is an elective course designed to familiarize students with various cultures and the problems resulting from people living in groups. This course covers such topics as culture, subcultures, social institutions, collective behavior, social change, social deviation, the family, religion, racial and ethnic minorities, poverty, and crime. The latter portion of this course deals specifically with the pressing problems of our society, their causes, and possible solutions.

Introduction to Sociology presents basic concepts and theories covering many areas of contemporary sociology. Topics explored in this class include sociology as science, culture, socialization, social groups, social organization, deviance, crime, class, race and ethnicity, gender, family, social change (with a focus on international development), and population.

WORLD LANGUAGES

Requirements – At least three high school credits in foreign language are required of all students, preferably in the same language. **Electives in Foreign Language** – Third level courses are available in French and Spanish. These are Honors courses and prepare students for course placement at institutions of higher learning. **Advanced Placement of Ninth-Graders** – Students who have had French or Spanish in eighth grade as a sequential (not an exploratory) course may be placed in a level II course. Placement tests are available through the Guidance Office. These courses are offered through Catholic Virtual.

WLAN 102--French I (1 Credit) -- Year: 9, 10, 11, 12

In French I, students are introduced to the language and cultures of French speaking countries. Students will gain a basic understanding of reading, writing, speaking and understanding the language at a beginner's level.

WLAN 202--French II (1 Credit) -- Year: 9, 10, 11, 12

French II is designed to focus on successful communication through speaking, writing, reading, and listening, and provides a thorough grounding in aspects of culture. Activities blend different forms of communication and culture to ensure that students meet all standards.

Prerequisite: French I

WLAN 302H--French III (1 Credit) -- Year: 10, 11, 12

In this expanding engagement with French, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas.

Prerequisite: French I and French II

Required Physical Materials: French-English dictionary is recommended

WLAN 101--Spanish I (1 Credit) -- Year: 9, 10, 11, 12

Spanish I is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will learn to express their thoughts, feelings, and opinions in Spanish using basic, real-life situations and learning scenarios.

WLAN 201--Spanish II (1 Credit) -- Year: 9, 10, 11, 12

In this course, students will build upon the foundation developed in Spanish I. They continue to build vocabulary, learn new verb tenses and grammar concepts, and improve their ability to communicate with others.

Prerequisite: Spanish I

WLAN 301H-- Spanish III (1 Credit) -- Year: 10, 11, 12

In this course, students will build upon the concepts developed in Spanish II. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future and conditional tenses.

Prerequisite: Spanish II

WLAN 103--Latin I (1 credit)

Latin I is carefully designed to focus on successful communication through speaking, writing, reading and listening, as well as thorough grounding in aspects of culture. Course activities blend different forms of communication and culture to ensure that students meet all standards.

WLAN 203--Latin II (1 credit)

Latin II expands on the concepts in Latin I, encouraging students to increase their knowledge and understanding of the language through vocabulary study, discussions, multimedia presentations, self-checks, practice activities and games, quizzes and exams.

Prerequisite: Latin I

WLAN 104--American Sign Language I (1 credit)

Jump start an American Sign Language journey by learning the basics of this visual language and exploring the Deaf culture. Students will broaden their concept of communication through connections and comparisons to their own culture and community.

WLAN 204-- American Sign Language II (1 credit)

This course reinforces the fundamental skills acquired in the American Sign Language I course. Students continue their journey by increasing their interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Students will broaden their concepts of communication through connections and comparisons to their own culture and community.

Prerequisite: American Sign Language I

WLAN 105--German I (1 credit)

This introductory course teaches basic communication and comprehension in German. Students are introduced to the fundamentals of German conversation and grammar.

WLAN 205--German II (1 credit)

In this course, students will build on their German grammar and language skills. Students will review basic grammar skills, learn and study stem-changing verb conjugation, and explore cultural themes regarding current events, famous German people, music, and festivals. In the second semester, students will increase their proficiency by forming more complex sentences. Cultural themes are entwined throughout the course.

Prerequisite: German I

MATHEMATICS

Requirements – A mathematics credit is required each year (minimum of 4) for graduation. It is required that a TI-83 or TI-84 calculator be purchased by every incoming freshman.

MATH 101--Algebra I (1 Credit) Year: 9, 10 Required

This course is designed to enrich students' comprehension of algebra emphasizing modeling through real-world applications. Topics include equations, inequalities, exponents, graphing, roots and radicals, and quadratic equations. Upon completion of this course, students should be prepared for success in Geometry and beyond.

MATH 101--Algebra I H (1 Credit) Year: 9, 10 Required

This course is designed to enrich students' comprehension of algebra emphasizing modeling through real-world applications. Units will be enriched through mathematical extensions. Topics include equations, inequalities, exponents, graphing, roots and radicals, quadratic equations, and rational functions. Upon completion of this course, students should be prepared for success in Geometry and beyond.

MATH 201--Geometry (1 Credit) -- Year: 9, 10 Required

This course is designed for students who have successfully completed Algebra I. Its concentration is on relationships among geometric figures and the use of mathematical observation and reasoning. Topics include triangle relationships, congruency, similarity, parallel lines, properties of quadrilaterals, angles and circles, and right triangle trigonometry.

Prerequisite: Successful completion of Algebra I and the recommendation of the instructor. Incoming freshmen who successfully pass the Algebra I final with a score of 70% or higher may be placed into Geometry.

MATH 201H--Geometry H (1 Credit) -- Year: 9, 10 Elective

This course is designed to show the structure of a mathematical system, to use logical reasoning and to provide an excellent background for further mathematical studies. Topics included are inductive reasoning, deduction and proof, parallels and perpendiculars, congruent triangles, circles, angles, construction, coordinate Geometry, area and volume, and right-triangle trigonometry.

Prerequisite: Successful completion of Algebra I and the recommendation of the instructor. Incoming freshmen who successfully pass the Algebra I final with a score of 85% or higher may be placed into Geometry Honors.

MATH 301--Algebra II (1 Credit) -- Year: 10, 11 Required

This course emphasizes problem solving, reasoning, discovery and the use of technology. Topics covered include matrices, functions, quadratics, polynomials, rational expressions, irrational and complex numbers, and exponential and logarithmic functions.

Prerequisite: Successful completion of Algebra I and the recommendation of the instructor. .

MATH 301H--Algebra II H (1 Credit) -- Year: 10, 11 Elective

This course is designed to provide an excellent background for students who wish to take Pre-Calculus and Calculus. This course emphasizes problem solving, reasoning, discovery and the use of technology. Topics covered include matrices, functions, quadratics, polynomials, rational expressions, irrational and complex numbers, exponential and logarithmic functions, and Trigonometry.

Prerequisite: Successful completion of Algebra I and the recommendation of the instructor.

MATH 401H--College Pre-Calculus H (1 Credit) -- Year: 11, 12 Elective

This course provides a firm background for AP Calculus. Topics include functions and their graphs, trigonometric and circular functions, polar coordinates, vectors and their applications, determinants, sequences and series, exponential and logarithmic functions, conic sections, statistics and probability, and limits. This course is virtual through a university partnership.

Prerequisite: Successful completion of College Algebra.

MATH 402H--Statistics H (.5 Credit) -- Year: 10, 11, 12 Elective

This class is an optional Dual Enrollment course. We cover the topics covered in Introduction to Statistics at the college level. These include: descriptive statistics, basic probability, binomial and normal distributions, confidence intervals, one and two sample hypothesis testing, and regression analysis. This class is required for graduation starting in 2023. It can be taken sophomore, junior or senior year. Strong recommendation to complete sophomore or junior year prior to SAT testing.

Prerequisites: Completion of Algebra 1, Geometry, and Algebra 2.

MATH Statistics (1 Credit) -- Year: 10, 11, 12

This course is a practical hands-on approach to the study of statistics and probability. Topics include the use of graphs such as histograms, stem plots, time plots, and scatter plots to display data; using numbers such as median, mean, and standard deviation to describe data; and evaluating data distribution. Students examine relationships using correlations and least square regressions. They calculate the probability of simple and compound events. They learn to estimate with confidence, explore tests of significance, and evaluate the validity of statistics contained within published reports.

Required: Statistics H or Foundations of Statistics Graduation 2023

Introduction Trigonometry (.5 Credits) Year: 11, 12 Elective

An examination of right triangle trigonometry and applications. Topics include graphs and equations involving sine, cosine, tangent, and related basic concepts.

Prerequisite: Algebra II

MATH 501H--College Algebra H (1 Credit) -- Year: 11, 12 Elective

This class is an optional Dual Enrollment course. We cover the topics covered in a typical College Algebra course. We study function concepts and graphs. Study of Linear, rational, absolute value, polynomial, piecewise, square root and radical functions. Emphasis is placed on integrating these functions into real world situations. In this course we refine the algebra skills necessary for future success in mathematics courses. If time permits, we will also study Exponential & Logarithmic functions and Trigonometric Functions in preparation for Honors Pre-Calculus. College Algebra will build foundational knowledge necessary for success in further study of higher mathematics. This class can be taken Sophomore, Junior or Senior year.

Prerequisites: Completion of Algebra 1, Geometry, and Algebra 2

SCIENCE

SCI 101- Physical Science (1 Credit) -- Year: 10 Required

This course is designed to help students explain the structure, properties and interactions of matter by concentrating on the structure and properties of matter, chemical reactions and nuclear processes. Atomic structure, rates of reactions and energy requirements in chemical and nuclear processes will be explored. Furthermore, the students will investigate forces and interactions with matter to study motion, gravitational interactions and electrostatic interactions. The concept of conservation of energy will be an overarching theme in all these investigations and will include energy in electrostatic interactions, potential energy, chemical energy and waves, in various forms, as a means of energy transfer. Qualitative and quantitative analysis of all these relationships will be enhanced by laboratory investigations including experimental design.

SCI 101H--Introduction to Chemistry and Physics Honors (1 Credit) -- Year: 10 Required

This course is designed to help students explain the structure, properties and interactions of matter by concentrating on the structure and properties of matter, chemical reactions and nuclear processes. Atomic structure, rates of reactions and energy requirements in chemical and nuclear processes will be explored. Furthermore, the students will investigate forces and interactions with matter to study motion, gravitational interactions and electrostatic interactions. The concept of conservation of energy will be an overarching theme in all these investigations and will include energy in electrostatic interactions, potential energy, chemical energy and waves, in various forms, as a means of energy transfer. Qualitative and quantitative analysis of all these relationships will be enhanced by laboratory investigations including experimental design. In addition to the topics covered in SCI 101, this course will investigate gas laws, molar relationships, quantitative relationships in chemical reactions and graphical analysis of motion.

SCI 201--Biology (1 Credit) -- Year: 9, 10 Required

In this course, the students are on a journey through time in which they learn about the origins and evolution of life. Students are taught how to see the world from the ecological microscopic perspective. The structure and processes of animal and plant cellular biology are investigated and learned. Students are given the opportunity to study the processes and patterns of inheritance. Also throughout the year students learn about the historical development of biology including taxonomy, ecology and environmental science. Finally students are given the opportunity to apply the concepts they have learned through laboratory learning or projects. Basic writing skills are essential.

SCI 201H--Biology H (1 Credit) -- Year: 9, 10 Elective

This course is designed for highly motivated students with an aptitude in science and math and is considered a pre-AP Biology course. In addition to what is taught in Biology CP other topics that are presented to the students include biochemistry, a more detailed study of cell biology, energetics, genetics, ecology, environmental science, evolution, human anatomy & physiology. The course includes appropriate lab work and application of the scientific method. Writing skills are essential.

Prerequisite: Successful completion of Algebra I and departmental approval.

SCI 301--College Chemistry H (1 Credit) Year: 10, 11,12 Required

This course is designed for students who seek a general knowledge of chemistry. This course includes study of the periodic table, atomic structure, chemical bonding, stoichiometry, and gas laws. Lab work is integral to the course. **Prerequisite:** Successful completion of Algebra I and Biology CP.

FINE ARTS

Requirements: Introduction to Art and Introduction to Music are required semester classes.

ARTS 101-- Introduction to Art (.5 Credit) -- Year: 9 Required

This introductory studio course is a semester long course that will introduce foundational art content including the elements of art and principles of design. Students will engage in projects exploring various art mediums while learning techniques, collaborative critique, and art historical reference.

ARTS 201-- Studio Art (1.0 Credit) -- Year: 9, 10, 11, 12 Elective

This studio course is a semester-long course that will build upon foundational art content from Intro to Art while preparing the student for further high school art experiences. During this course students will refine techniques and build historical/contemporary art connections. Students will develop a portfolio of work during this course.

Prerequisite: Intro to Art (ARTS 101)

ARTS 204-- Theatre Arts and Performance (1.0 Credit) -- Year: 9, 10, 11, 12 Elective

This course is a semester-long course that will introduce students to fundamental stage practices and etiquette with a focus on performance styles and techniques as it pertains to the theatre. Students will participate in a variety of performance based projects including both solo and ensemble work.

ARTS 301--Drawing Studio (.5 Credit) -- Year: 10, 11,12 Elective

This studio course is a semester-long course that will focus on traditional drawing mediums. Students will refine techniques while expanding upon their understanding of the elements of art and principles of design. Students will develop a portfolio of work during this course.

Prerequisite: Intro to Art (ARTS 101) & Studio Art (ARTS 201)

ARTS 310-- Yearbook (.5 Credit) -- Year: 10, 11, 12

This course is designed to develop students' skills in digital/print media production as it applies to the sole completion of a large finished product, St. Maria Goretti High School's yearbook. Students learn basic principles of print media publishing and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production.

MUSIC

ARTS 102--Introduction to Music CP (.5 Credit) -- Year: 9 Required

This required course is intended for students with little to no music background. It introduces the study of music including a mix of styles and genres from ancient history to the present. Students will learn basic music notation, harmony, rhythm, form and meter. Students will develop the ability to analyze music and effectively communicate musical expression within all genres.

ARTS 202--Vocal Ensemble CP (.5 Credit) -- Year: 10, 11, 12 Elective

This is an instructional course that promotes lifelong performance skills. In this course, major emphasis is on vocal development and music comprehension and study of a variety of choral repertoire. Students perform regularly at Mass, as well as winter and spring concerts and events. Students have the opportunity to audition for Maryland All State Senior Chorus. This course may require additional rehearsals (after school and weekend).

Prerequisite: Introduction to Music Course, or participation in middle school chorus or an audition.

ARTS 204--Music Theory CP (.5 Credit) -- Year: 10, 11, 12 Elective

In Music Theory, students will implement higher-level musical language and grammar skills including musical notation, harmonic analysis, and part writing which will lead to a thorough understanding of music composition and music theory. Students will obtain and practice ear training skills and skills required for sight reading musical literature. They will recognize the development of music from an historical and cultural perspective and extend musical awareness beyond music currently familiar to the student.

Prerequisite: Introduction to Music Course, or permission from instructor

TECHNOLOGY & BUSINESS -- Year: 10, 11, 12 Elective

We have multiple courses available through Catholic Virtual. Please speak with your guidance counselor for a list of these courses with descriptions.

HEALTH

PHED 101-- Health CP (.5 credit) -- Required to Graduate Year: 9

Health: The goal of Health is to familiarize the students with the many health concerns facing them in today's society. Emphasis is placed on prevention and responsibility of individuals to make intelligent and informed decisions concerning their lifestyle.

SEMINAR

FRSEMINAR 100--Goretti Experience 100 (.5 credit) Year: 9

The Freshman Seminar/ Goretti Experience is a semester-long class for all ninth grade students. This program is unique as an ongoing opportunity to help students transition from middle school to high school, and as a way to build a strong, supportive community at St. Maria Goretti Catholic High School. Much of the core curriculum deals with issues of diversity and creating a culture where students are encouraged to see different points of view and lifestyles.

College Choices (.5 credit) Year: 11, 12

In this course students will explore and prepare for college and career opportunities. This includes researching colleges, the college application process, and SAT prep.

EARN COLLEGE CREDIT: DUAL-ENROLLMENT COURSEWORK OPTIONS

Hagerstown Community College - The ESSENCE Program

Mount St. Mary's University Classes On Campus

Shepherd University

Randolph College

Marymount University

Hood College

St. Vincent College

St. Bonaventure University

Neumann University

University of Dayton

Wilson College

Alderson Broaddus University

Lebanon Valley College

Widener University

Grand Canyon University (7 week asynchronous courses)

With advance approval from the Principal, students are able to enroll in coursework at these colleges in order to earn college credit and Goretti credit concurrently. Tuition fees are determined by the respective colleges and are in addition to Goretti's annual tuition rate. Admission criteria also are determined by the respective colleges and may require placement testing.

Students interested in dual enrollment options must contact the Director of Guidance and the Principal **prior to May 1** for approval to participate in dual enrollment coursework during the following year. Approval will be based on course content, compatibility with Goretti's master schedule, and the student's remaining graduation requirements.

Please note: The school is not obligated to accept credit for any dual enrollment class that has not been approved in advance by the Principal. Students are responsible for their own transportation to and from the college when taking a dual enrollment class at one of our partner college campuses.

Summer Courses and Online Courses

Depending on student interest, St. Maria Goretti High School may offer a core sequential Mathematics course on campus during the summer. Students will receive one credit for the course, and the grade will be factored in their GPA.

Students needing remedial coursework after a course failure may be required to take an online class via Catholic Virtual, the school's remedial course provider. Not all courses are available via Catholic Virtual, and some students may need to repeat a course during a subsequent academic year as part of their daily schedule. Grades for remedial coursework will bring the failing grade to a minimum passing grade of 65 on the student's transcript, regardless of the numeric grade earned for the remedial class

Incoming ninth-grade students who need academic support to transition to St. Maria Goretti High School's college preparatory curriculum may be required to attend a non-credit summer enrichment class.

Please note: Any proposed course work taken outside of the daily schedule during the academic year must be approved in advance by the Principal. The school reserves the right to award credit on a Pass/Fail basis only for approved additional coursework, with the numeric grade for such coursework not factored into a student's GPA.

