

A large, stylized, three-dimensional letter 'I' in a light blue-grey color, centered on the page. It has a thick outline and a 3D effect with shading.

2023-2024 PROGRAMS OF STUDY





Immaculate High School

Mission Statement

In the Roman Catholic tradition, Immaculate High School fosters the development of the whole student by nurturing individual moral, intellectual, physical and social growth through an academically rigorous college preparatory curriculum that encourages respect, responsibility, reverence, creativity and leadership.

Requirements for Immaculate High School Diploma

Class of 2024 and Beyond

Students are required to earn a minimum of 25 credits to graduate from Immaculate High School. The charts below reflect the minimum core course requirements. Please consult with your school counselor for the recommended distribution of courses and credits most suited to your educational and career goals.

Content Area (Mandated Course)	Minimum Credits to Graduate Immaculate High School	Suggested Credits to Attend Competitive Colleges
Theology	4	4
English	4	4
Mathematics	4	4
Science (Biology)	3	3-4
Social Studies (American Government)	3	3-4
World Language <i>*Consecutive years in the same language</i>	2	3-4
Fine Arts	1	1-2
Physical Education <i>*Usually taken during Sophomore year</i>	1	1
Career & Technology	1	1-2
Senior Seminar (Health & Personal Finance)	1	1
Community Service <i>*.25 credit each year</i>	1	1
Total Credits	25	26 - 31

Suggested Credits Per Year			
Freshman <i>*Maximum*</i>	Sophomore <i>*Maximum*</i>	Junior <i>*Minimum*</i>	Senior <i>*Minimum*</i>
7.25	7.25	6.25	6.25

How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, **and** have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

COURSE DESCRIPTIONS AND LEVELS

Immaculate High School course offerings are designed to provide an opportunity for students to pursue their interests as well as meet the requirements established by the Diocese of Bridgeport and the State of Connecticut. The process for selecting courses includes students reviewing the course guide, registering electronically and meeting with a counselor. Registration for courses should represent a firm commitment to enrollment in courses for the following year. However, a student may request a program change in June on a date specified by the Counseling Department.

The following are accepted reason for schedule change consideration after the specified June deadline:

- successful completion of an approved summer school course
- discovery of a clerical error or,
- a course has been canceled due to insufficient enrollment.
- to fulfill a college application requirement

Course Levels

All course levels are created to provide an opportunity for every student to be successful as they prepare for college and beyond. We develop the courses with the intent to support learning needs and abilities so that students may progress to more challenging coursework during their four years at Immaculate. Students matriculate each school year with the opportunity for being engaged in new academically challenging courses.

College Preparatory Courses

The College Preparatory program is designed to offer stringent scholastic requirements for entry into colleges and universities. Courses include a rigorous quantity of classwork, homework, and expectations to achieve and meet the content skills expected by diverse colleges and universities. This level offers extended student support to master content, organizational and study skills.

Honors College Preparatory Courses

The rigor of a regular college preparatory course is extended and demands that a student be independent and have an ability to have more time for additional writing assignments, homework and classwork. The GPA weight per course is +0.3.

AP and College Courses

This level of coursework has a syllabus approved by the College Board and affiliated colleges. Students must meet stringent prerequisites and are expected to engage in a college-level instruction model where the teacher facilitates instruction, and the student is independent. Students must take the required AP or ECE exam as well as the course exam. The GPA weight for this level is +0.7. Exemption from the course exam is offered to seniors who have achieved a 90% in the course.

** All AP and college courses require an exam fee.*

** All students and a parent are required to sign the AP contract to enroll in an AP course.*

Student Ranking

Immaculate High School adheres to the common practice of internal ranking of students beginning at the end of five semesters for those colleges who request such information for scholarships/other, for military school requests and for top ten student announcements in June. Percentile ranking will appear on student transcripts.

VIRTUAL COURSE OVERVIEW

Immaculate students have the opportunity to participate in online courses not offered at Immaculate High School through Virtual High School (VHS). Courses are open to students who have completed our program and want to take advanced classes not offered in our course curriculum. Teacher and administration endorsement is required.

Virtual Course Program

Immaculate High School offers courses in collaboration with The Virtual High School, a nonprofit organization based in Maynard, Massachusetts, which serves as a portal through which schools and teachers throughout the world offer online courses. Our partnership with VHS allows us to expand our course offerings to provide students with the most challenging and extensive academic curriculum possible taught by certified teachers in accredited schools.

Prerequisites

The ability to learn independently, adhere to commitments and submit assignments on time are essential to the success of a VHS student. Students enrolled in an online course must demonstrate strong time management skills, disciplined work habits, and good problem-solving skills.

Requirements

- An interview with the Assistant Principal for Curriculum, Instruction and Assessments.
- Approval to enroll in an online VHS class will be made by the Assistant Principal.
- Each course offered through VHS has its own set of requirements, learning objectives and expectations.
- Each student is required to comply with the individual VHS teacher's expectations. The VHS teacher is an online teacher employed by VHS.
- Students selected for this program will participate in an online orientation in order to become familiar with the VHS learning environment.
- Each participant will be scheduled to spend the equivalent of a full class period each during school hours to work on his/her VHS course.
- It is understood that students will also need to complete tests, quizzes, homework, outside reading and projects assigned by the VHS teacher.
- Students must be willing to spend eight (8) to ten (10) hours per week on homework and independent assignments in a VHS course.
- Students are required to secure access to an online computer outside the scheduled class time (either at home or at school) in order to complete assignments and projects.
- Students who enroll in an AP course through VHS must follow the AP policies established by IHS and VHS and are required to take the AP examination in May.
- All assignments are completed online.
- Course grades virtual courses are posted on student report cards, transcripts and factor into honor roll status and cumulative GPA. A passing grade of 65 is required.
- Submission of a Virtual High School Agreement Form must be signed by both the student and parent of a student enrolling in a VHS class.

THEOLOGY

How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, *and* have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

011 THEOLOGY I CP: OLD TESTAMENT: CHRIST REVEALED IN HEBREW SCRIPTURES 1 Credit

Course satisfies Freshmen year Theology graduation requirement

This two-semester course illustrates how the Old Testament contains over a thousand years of God's self-revelation to His chosen people of Israel. Starting from the view of religion as a relationship, this course will explore the nature of revelation as recorded in Sacred Scripture. We will examine how the Scriptures were formed over many centuries and the role of the Church in defining the canon. Students learn to read Sacred Scripture as literary genre and historical context while relying on the Magisterium of the Church for interpretation. Students will immerse themselves in the stories of the Bible from Creation through the end of the Babylonian Exile and examine the role of Old Testament heroes as types for Christ, the Biblical foreshadowing of the sacraments, the structures of the Church, and the role of personal and communal prayer in deepening our relationship with God.

021 THEOLOGY II CP: A STUDY OF THE NEW TESTAMENT AND EARLY CHURCH 1 Credit

Course satisfies Sophomore year Theology graduation requirement

Jesus asks His disciples "Who do you say that I am?" The way that a person answers this question has had life changing implications. Grounded in an understanding of Revelation, students begin to seek answers to Jesus' question in the New Testament. After a brief examination of the historical context of first century Palestine and a review of the canon of the New Testament, students explore the Christology of the Infancy Narratives, the Kingdom of God as revealed in Jesus' actions, His parables, death, and resurrection. The course will also investigate Christ's mission through the Church, the Church as the People of God, and the Mystical Body of Christ along with the implications of those models on the life of the individual. The Nicene Creed, the historical development of the Church's hierarchy, the universal call to holiness, evangelical counsels, the Lay Apostolate, common priesthood, communion of saints and the study of the role of Mary in the life of the Church culminates the purpose of this course.

031 THEOLOGY III CP: SACRAMENTS AND CHRISTIAN MORALITY 1 Credit

Course satisfies Junior year Theology graduation requirement

Through the study of the Sacraments, students will experience Jesus' continued living presence in the world. The development and historical significance of the sacraments, symbols, and rituals of the Roman Catholic Church will be explored. Students will study the fundamental principles for living a moral life based on the Roman Catholic belief that all persons possess a sense of dignity and are created in the image and likeness of God. Grounded in prayer and study of the Church's moral teachings, students will deepen their process of moral development. In addition, students will be offered a broader insight into their role in the life of the Church, especially in Sacrament of Reconciliation, as part of their ongoing moral development.

052 THEOLOGY IV CP: CHRISTIAN LIFESTYLES & SOCIAL TEACHINGS**1 Credit***Course satisfies Senior year Theology graduation requirement*

During the first semester of this course students will discuss how to live like Jesus Christ in order to achieve happiness with God. Students will explore the importance of choosing a vocation not just accepting and expected vocation. The individual vocations, (married life, single life, consecrated life, and priesthood). It will be discussed from the point of view of creating a Christian lifestyle, the demands, responsibilities, strengths and weaknesses.

In the second semester of this course students will concern themselves with the Teaching of the Catholic Church and Social Issues as it has developed in the last 150 years. They will learn about the twelve documents of the Popes and Bishops that have dealt with modern issues, such as, working conditions, family life issues, health issues, and the issues dealing with war, justice and personal freedom.

050 THEOLOGY IV CP: CHRISTIAN LIFESTYLES & WORLD RELIGIONS**1 Credit***Course satisfies Senior year Theology graduation requirement*

During the first semester the course students will discuss how to live like Jesus Christ in order to achieve happiness with God. Students will explore the importance of choosing a vocation not just accepting and expected vocation. The individual vocations, (married life, single life, consecrated life, and priesthood). It will be discussed from the point of view of creating a Christian lifestyle, the demands, responsibilities, strengths and weaknesses.

Throughout history people have sought to understand the meaning of their existence and their place in the world. The result of this search for truth has been the growth of the world's great religious traditions. This world religions course will examine many of these traditions including Daoism, Confucianism, Hinduism, Buddhism, Judaism and Islam. This course will look at the history, major beliefs and practices of these traditions and consider how they relate to our own Christian tradition. How do these diverse religions experience God? How do they confront death and the problem of evil? What do they have in common? How are they different? Along the way we will explore the concepts of sacred time and sacred spaces; consider the roles of prophets, sages, saints and shamans and examine the function of myth and scripture. Students will have a working knowledge of the role religion plays in the life of the individual and the community as well as a deeper appreciation for the power of their own faith.

016 THEOLOGY IV H: CHRISTIAN LIFESTYLES & MARIOLOGY H**1 Credit***Course satisfies Senior year Theology graduation requirement*

During the first semester the course will discuss how to live like Jesus Christ in order to achieve happiness with God. Students will explore the importance of choosing a vocation not just accepting and expected vocation. The individual vocations, (married life, single life, consecrated life, and priesthood). It will be discussed from the point of view of creating a Christian lifestyle, the demands, responsibilities, strengths and weaknesses.

The second semester of this course in Roman Catholic Mariology deals with the life and appreciation of the Virgin Mary, as the New Eve, Mother of Jesus, God and all humanity, as well as her veneration throughout the ages in theology, prayer and apparitions. Essays, reflection papers, group projects and a pilgrimage to a local Marian Shrine will be part of this Honors course.

017 THEOLOGY IV H: CHRISTIAN LIFESTYLES & CATHOLIC CULTURE H**1 Credit***Course satisfies Senior year Theology graduation requirement*

During the first semester the course will discuss how to live like Jesus Christ in order to achieve happiness with God. Students will explore the importance of choosing a vocation not just accepting and expected vocation. The individual vocations, (married life, single life, consecrated life, and priesthood). It will be discussed from the point of view of creating a Christian lifestyle, the demands, responsibilities, strengths and weaknesses.

The second semester of this course will examine current events, art, and films as a means for reflection upon the meaning and truth of Christian faith. The course will also examine how social media plays a role in understanding our culture. Scripture, Catechism of the Catholic Church, the lives of the saints, and current news articles will serve as supplementary class material. Students will be expected to participate in class discussions, oral presentations, written papers, and group projects. The course will use a broad cross section of various methods to open creative windows for understanding and communicating the Christian faith. The tools developed in this course will serve as a lifetime of evangelization.

ENGLISH

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- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

0118 FOUNDATIONS OF ENGLISH LANGUAGE ARTS CP

1 Credit

Placement based on entrance exam and Academic Review Committee Recommendation

This two-semester course is offered concurrently with *Introduction to Literature and Composition CP* to assist students with additional critical thinking skills in reading, writing, listening, and speaking. Students are challenged to progress in all areas necessary for effective oral and written communication. Review of basic grammar, unity, and coherence in writing is stressed. Other topics include study skills, research skills, and vocabulary development. Additionally, there will be training in standardized test-taking strategies.

0111 INTRODUCTION TO LITERATURE AND COMPOSITION CP

1 Credit

Course satisfies Freshmen English graduation requirement

This two-semester course is an introduction to basic concepts of literature and composition. Students read, analyze, and evaluate various genres of literature including short story, drama, novel, essays, poetry, biography, and autobiography. Text such as; *Fahrenheit 451* by Ray Bradbury, *Romeo and Juliet* by William Shakespeare, and Harper Lee's *To Kill a Mockingbird* will be studied. Review of basic grammar, unity, and coherence in writing is stressed. Other topics include study skills, research skills, and vocabulary development. Additionally, there will be training in standardized test-taking strategies.

0112 INTRODUCTION TO LITERATURE AND COMPOSITION H

1 Credit

Placement based on entrance exam and Academic Review Committee Recommendation

Course satisfies Freshman English graduation requirement

This two-semester course is an introduction to basic concepts of literature and composition. Students read, analyze, and evaluate various genres of literature including short story, drama, novel, essays, poetry, biography, and autobiography. In addition, this level course focuses on close-reading strategies as well as written and oral communication. Quarterly independent reading is required throughout the year. Students have multiple opportunities throughout the year for creative writing and presentations based upon their reading. Additionally, there will be training in standardized test-taking strategies.

0121 EXPLORING CLASSIC TO CONTEMPORARY LITERATURE CP

1 Credit

Course satisfies Sophomore English graduation requirement

This two-semester course is a logical development of the close reading and writing skills and critical- thinking techniques acquired in English I. Students read, analyze and apply critical thinking reading skills for coherent oral presentations, essay and journal writing. In addition to strengthening grammar, writing, reading and vocabulary development, the mechanics of the research paper will be covered; students will be required to produce a paper of moderate length. Additionally, there will be training in standardized test-taking strategies. Students read and analyze literature such as; William Shakespeare's *Macbeth*, *A Christmas Carol* by Charles Dickens, and *Antigone* by Sophocles.

0122 EXPLORING CLASSIC TO CONTEMPORARY LITERATURE H**1 Credit***Course satisfies Sophomore English graduation requirement*

English II Honors is an accelerated two-semester course that consists of in-depth analyses of challenging classical and modern readings. Students examine textual and supplementary examples of short story, poetry, drama, non-fiction, novels, and medieval legends. Expository writing and the writing process are emphasized, complemented by extensive vocabulary study. The students read independently and produce several small papers and one comprehensive research paper. Critical thinking skills are emphasized in preparation for the PSAT, ACT, and SAT. Additionally, there will be training in standardized test-taking strategies.

0140 AP SEMINAR**1 Credit***Course satisfies Sophomore English graduation requirement*

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. *Students enrolled in this course are required to take the AP Language & Composition exam as well as course exam.*

0131 AMERICAN LITERATURE CP**1 Credit***Course satisfies Junior English graduation requirement*

English III is a two-semester course that surveys the tradition of American literature. Literary works such as; *The Crucible* by Arthur Miller, F. Scott Fitzgerald's *The Great Gatsby*, *Just Mercy* by Bryan Stevenson are chosen to reflect the evolution of American thought within a historical setting. In addition to selections from the text, several novels/essays, short stories, poetry, non-fiction and drama will be analyzed as representations of American thought and literary movements. Reading selections are analyzed as representative pieces of American thought and literary movements from 1620 into the 1900s. Students will be required to produce a research paper and complete all outside assigned readings. Additionally, there will be training in standardized test-taking strategies.

0132 AMERICAN LITERATURE H**1 Credit***Course satisfies Junior English graduation requirement*

English III Honors is a two-semester course that introduces literary works that reflect the evolution of American thought within a historical setting from the 17th to the 20th centuries. In addition to selections from the text, several novels/essays will be analyzed as representations of American thought and literary movements. Furthermore, the student will examine the role of the individual in American society, his search for identity, and his pursuit of the American Dream. The concerns of modern man as reflected in the literature of each era will be the focus of the short stories, poetry, non-fiction, drama, and novels for this course. Students will be required to do independent reading, write several papers, and deliver oral presentations. Additionally, there will be training in standardized test-taking strategies.

0133 ENGLISH LANGUAGE AND COMPOSITION AP (Junior Class)**1 Credit***Course satisfies Junior English graduation requirement*

In the two-semester AP English Language and Composition class, student reading and writing experiences focus on diversified non-fiction prose. Teachers ask that students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Writing tasks give students the practice necessary to make them aware, flexible writers who can compose in different modes and for different purposes. In developing sophisticated reading and writing skills, students explore and describe how language works. They learn to observe and analyze diction and syntax that create subtle effects on language. AP students learn to describe language through discussion of rhetorical strategies and terms, demonstrating a working knowledge of parts of speech, structural patterns, awareness of connotation and shades of meaning in context. Attention will be focused on models from major American literature selections. Workshops will be used to develop additional skills required on the AP exam and to provide students with a more intensive writing experience. *Students enrolled in this course are required to take the AP Language & Composition exam as well as course exam.*

0145 BRITISH LITERATURE & COMMUNICATION/PUBLIC SPEAKING CP**1 Credit***Course satisfies Senior English graduation requirement*

The course surveys English literature in the Anglo-Saxon, Medieval, Renaissance, and Elizabethan periods, and the 17th, 18th, and Romantic 20th centuries, where students will study literary genres including English poetry, drama, the essay, short story, and novel. This course offers an overview of the process of communication and provides a variety of public speaking experiences through the lens of British literature and oration. Students will develop critical speaking and listening skills. Required speeches are the self-introduction speech, the informative speech, the persuasive speech, and the speech for a special occasion. Speech provides the study of and practice in the basic principles and techniques of effective oral communication. This course includes instruction in adapting speech to different audiences and purposes. Students are given opportunities to express subject matter knowledge and content through creative, analytical, and expository writing, as well as reading a variety of literary genres related to course content and speaking assignments.

0146 BRITISH LITERATURE & TEXT AND CONTEXTS CP**1 Credit***Course satisfies Senior English graduation requirement*

The course surveys English literature in the Anglo-Saxon, Medieval, Renaissance, and Elizabethan periods, and the 17th, 18th, and Romantic 20th centuries, where students will study literary genres including English poetry, drama, the essay, short story, and novel. Students will compare and contrast the elements and techniques of both literary and cinematic form, as well as study the challenges of adapting a work of fiction for film. The course focuses on written as well as visual literacy and students will develop critical criteria to judge the ultimate success of an artistic creation and its effect on the reader or viewer. Reading is assigned regularly, and students are expected to produce a comprehensive final project and presentation on a book of choice with a film companion.

0160 BRITISH LITERATURE & ADVANCED COLLEGIATE COMPOSITION H**1 Credit***Course satisfies Senior English graduation requirement*

English IV Honors: British Literature and Advanced Collegiate Composition is intended for students of exceptional reading and writing ability. The course surveys English literature in the Anglo-Saxon, Medieval, Renaissance, and Elizabethan periods, and the 17th, 18th, and Romantic 20th centuries, where students will study literary genres including English poetry, drama, the essay, short story, and novel. In addition to outside readings of critical analysis and comparative studies, independent study, research, and expository papers are required. Advanced Collegiate Composition English is designed to improve students' writing ability, as it is necessary for success in college and a future career. The coursework focuses on active reading and analytic writing, with an emphasis on organization, unity, coherence, and development. Students will also learn how to reflect on their writing and revise their errors in grammar, mechanics, and tone. Finally, this course will provide students with the study skills necessary for college success.

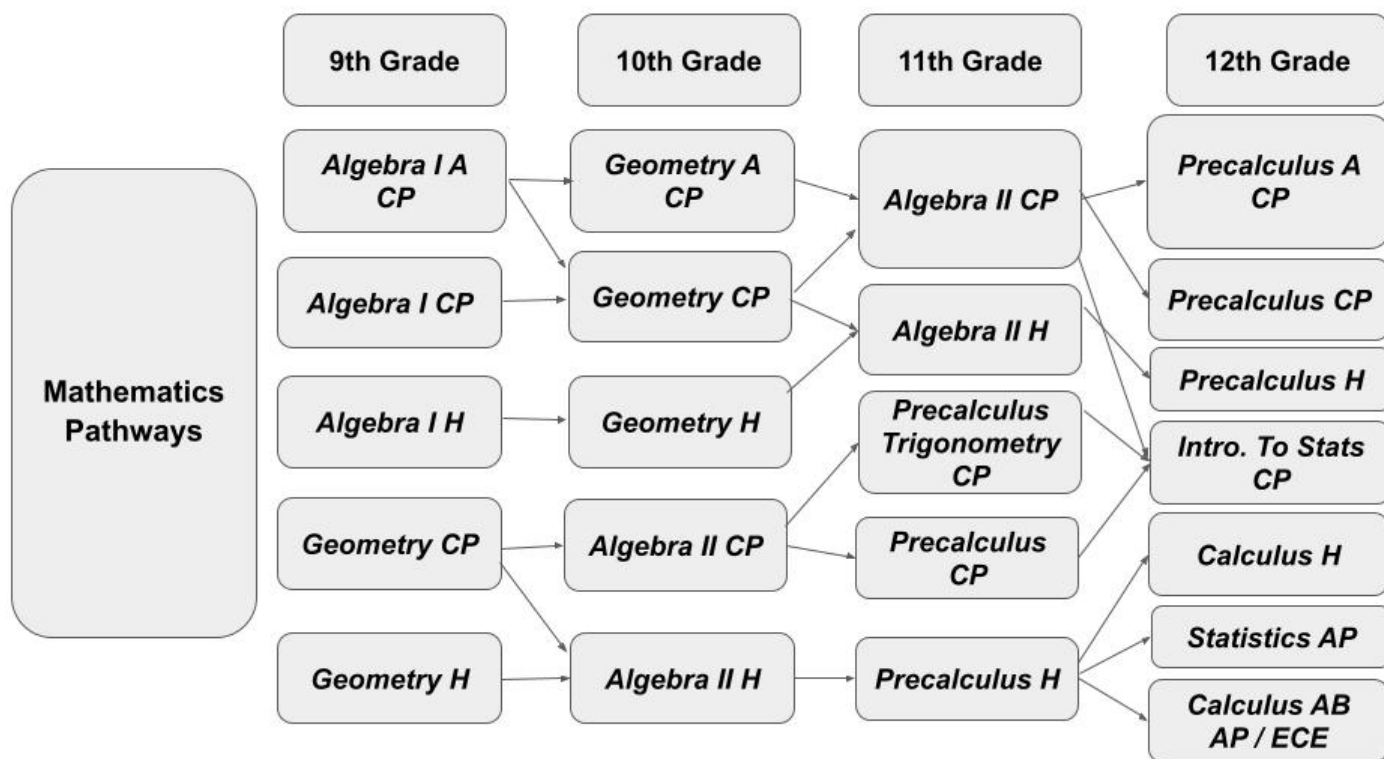
0143 - ENGLISH LITERATURE AND COMPOSITION AP (Senior AP)**1 Credit***Course satisfies Senior English graduation requirement*

Students are required to take the Literature & Composition AP exam as well as course exam. Literature and Composition AP is a college-level course for qualified, highly motivated seniors. The course includes representative works in several genres including novel, short story, poetry, drama, and essay. Students receive a list of required works to be read during the summer. In addition to close analysis of the representative works, frequent writing assignments develop the student's style and skill. Workshops will be used to develop additional skills required on the AP exam and to provide students with a more intensive writing experience. ***Students enrolled in this course are required to take the AP Language & Composition exam as well as course exam.***

0117 ENGLISH FUNDAMENTALS CP**1 Credit**

This two-semester course focuses on increasing listening and reading skills and strategies with an intensive focus on vocabulary development. Students will practice writing in English in a variety of contexts. At the end of the class, students should be able to write an evidence-based essay with few grammatical and spelling errors. Students will also participate in a discussion forum about a novel they read together in this class. Additionally, there will be training in standardized test-taking strategies.

MATH



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- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

O252 ALGEBRA I A CP

1 Credit

Placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This course builds the foundation of Mathematics reinforcing skills and preparing students for the next level of Mathematics. Students will solving first- degree equations, word problems using first-degree equations, solving and graphing first-degree inequalities, word problems using first-degree inequalities, graphing linear functions in two variables, solving linear systems in two variables by graphing, substitution and linear combination, word problems using linear systems in two variables, operations with radicals, operations with polynomials, factoring polynomials, simplifying rational expressions, operations with rational expressions, solving quadratic equations over the rational numbers by factoring and quadratic formula, and solving word problems using quadratic equations. Additionally, there will be training in standardized test-taking strategies.

0211 ALGEBRA I CP**1 Credit**

Placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This two-semester course builds on basic algebraic skills where students will master solving first-degree equations, word problems using first-degree equations, solving and graphing first-degree inequalities, word problems using first-degree inequalities, graphing linear functions in two variables, solving linear systems in two variables by graphing, substitution and linear combination, word problems using linear systems in two variables, operations with radicals, operations with polynomials, factoring polynomials, simplifying rational expressions, operations with rational expressions, solving quadratic equations over the rational numbers by factoring and quadratic formula, and solving word problems using quadratic equations. Additionally, there will be training in standardized test-taking strategies.

0212 ALGEBRA I H**1 Credit**

Placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This two-semester course requires an in-depth study of all the topics covered in the Algebra I Course with an increase in pace and rigor and offers additional topics such as; linear, quadratic and exponential functions, solving quadratics over the real numbers by completing the square, solving quadratic functions over the real numbers by the quadratic formula. Practical applications of real-world problems will be incorporated throughout this course. Additionally, there will be training in standardized test-taking strategies.

0225 GEOMETRY A CP**1 Credit**

Course is sequential to Algebra I A
Incoming ninth grade placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This two-semester course, sequential to Algebra I A, to master the basic skills in geometry. This course is an integration of plane geometry with arithmetic and algebra. Syllabus includes all the basic concepts of geometry, such as points, lines, planes, angles, triangles, quadrilaterals, polygons, circles, congruence, similarity, basic proofs, constructions, areas, and volumes of solids, and trigonometric ratios of right triangles. Additionally, there will be training in standardized test-taking strategies.

0221 GEOMETRY CP**1 Credit**

Course is sequential to Algebra I CP
Incoming ninth grade placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This two-semester course, sequential to Algebra I, is an integration of plane geometry with arithmetic and algebra. Syllabus includes all the basic concepts of geometry, such as points, lines, planes, angles, triangles, quadrilaterals, polygons, circles, congruence, similarity, formal and indirect proofs, constructions, areas, and volumes of solids, translations and trigonometric ratios of right triangles. Additionally, there will be training in standardized test-taking strategies.

0222 GEOMETRY H**1 Credit**

Course is sequential to Algebra I H
Incoming ninth grade placement based on entrance and placement test, and previous Mathematics courses taken
Course satisfies Mathematics graduation requirement

This two-semester course, sequential to Algebra I (Honors), requires an in-depth study of all topics covered in Geometry with an increase in pace and rigor and offers additional topics such as; elementary logic, 3-dimensional concepts, transformations, similarity in polygons, parallel lines and planes, coordinate geometry, inequalities in geometry, trigonometric ratios of right angles, geometric probability, and applications of real-world problems relating to each topic studied. Additionally, there will be training in standardized test-taking strategies.

0231 ALGEBRA II CP**1 Credit***Course is sequential to Geometry A CP and Geometry CP**Course satisfies Mathematics graduation requirement*

This two-semester course, sequential to Geometry, offers a continued study of the skills and concepts of algebra: the solution of first- and second-degree equations; linear systems in two variables; quadratic systems; rational equations and expressions; irrational, imaginary and complex numbers; functions and graphs, an introduction to analytic geometry through the conic sections; exponential and logarithmic functions; and applications of real-world problems. This course is integrated with a TI-84 + calculator. Additionally, there will be training in standardized test-taking strategies.

0232 ALGEBRA II H**1 Credit***Course is sequential to Geometry H**Course satisfies Mathematics graduation requirement*

This two-semester course is sequential to Geometry, and requires an in-depth study of all topics covered in the CP Algebra II course with an increase in pace and rigor and offers additional topics such as: polynomial equations and functions; rational equations and functions; radical equations and functions; piecewise functions; operations with matrices; exponential and logarithmic functions; analytic geometry; trigonometry of the right triangle and the unit circle; graphing sine and cosine and applications of real-world problems relating to each topic studied. This course is integrated with a TI-84 + calculator. Additionally, there will be training in standardized test-taking strategies.

0234 PRECALCULUS A CP**1 Credit***Course is sequential to Algebra II CP**Course satisfies Mathematics graduation requirement*

This two-semester course is a functions approach to algebra and trigonometry covering: equations and inequalities, functions and graphs, system of equations and inequalities, determinants, exponential and logarithmic functions with applications, trigonometry with both an analytic and triangular emphasis, complex numbers including graphical representation, and an introduction to sequence, series, and probability. This course is integrated with a TI-84 + calculator. Additionally, there will be training in standardized test-taking strategies.

0246 PRECALCULUS CP**1 Credit***Course is sequential to Algebra II CP**Course satisfies Mathematics graduation requirement*

This two-semester course, uses a functions approach to advanced algebra and trigonometry, covers the following topics: factoring, completing the square, discriminate, quadratic formula, equations of lines, polynomial and rational functions, partial fraction decomposition, linear and nonlinear systems of equations, linear programming, exponential and logarithmic functions, matrices and determinants. Additional emphasis is given to the trigonometric functions including the unit circle, graphs, identities, and inverse functions and their graphs. This course is integrated with the TI-84+ calculator. Additionally, there will be training in standardized test-taking strategies.

0242 PRECALCULUS H**1 Credit***Course is sequential to Algebra II CP or Algebra II H**Course satisfies Mathematics graduation requirement*

This two-semester course provides an in-depth study of advanced algebra and trigonometry with an increase in pace and rigor and covers the following topics: polynomial and rational functions and their graphs, inverse functions, composition of functions, linear and nonlinear systems of equations, partial fraction decomposition, linear programming, polynomial and rational inequalities, exponential and logarithmic functions with applications, matrices, and determinants. Additional emphasis is given to the trigonometric functions including the unit circle, graphs, identities, inverse functions and their graphs, complex numbers in polar form, DeMoivre's Theorem, and graphs of polar equations. The curriculum of the College Board SAT Subject Test (Level II) is covered. This course integrated with a TI-84+ calculator. Additionally, there will be training in standardized test-taking strategies.

0244 CALCULUS H**1 Credit***Course is sequential to Precalculus H**Course satisfies Mathematics graduation requirement*

Two-semester course is an introductory college-level course intended for students who desire to enroll in a university Calculus course or in AP Calculus. The course contains an examination of polynomials; rational, exponential, trigonometric, and logarithmic functions with an emphasis on the study of differential and integral calculus in one variable. This course is integrated with the TI-84+ calculator. Additionally, there will be training in standardized test-taking strategies.

0243 CALCULUS/AB ECE /AP**1 Credit***Course is sequential to Precalculus CP or Precalculus H**Course satisfies Mathematics graduation requirement*

This two-semester course prepares students for the Advanced Placement Calculus examination (AB level). Topics include limits and continuity. L'Hôpital's Rule; the differential calculus of algebraic, trigonometric, exponential, and logarithmic functions; anti-derivatives of algebraic, trigonometric, exponential and logarithmic functions; techniques of integration, definite integrals and numerical approximations; the solutions of differential equations and their representation by slope field. The derivative, as the slope of a function at any given point and the definite integral, as the area under a function between any two given points, are regularly graphed and checked on a graphing calculator. Applications of derivatives and integrals are explored regularly. This course is integrated with the TI-84+ calculator. **Students are required to take the Calculus AP exam (Additional fee) and course exam in May. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation.**

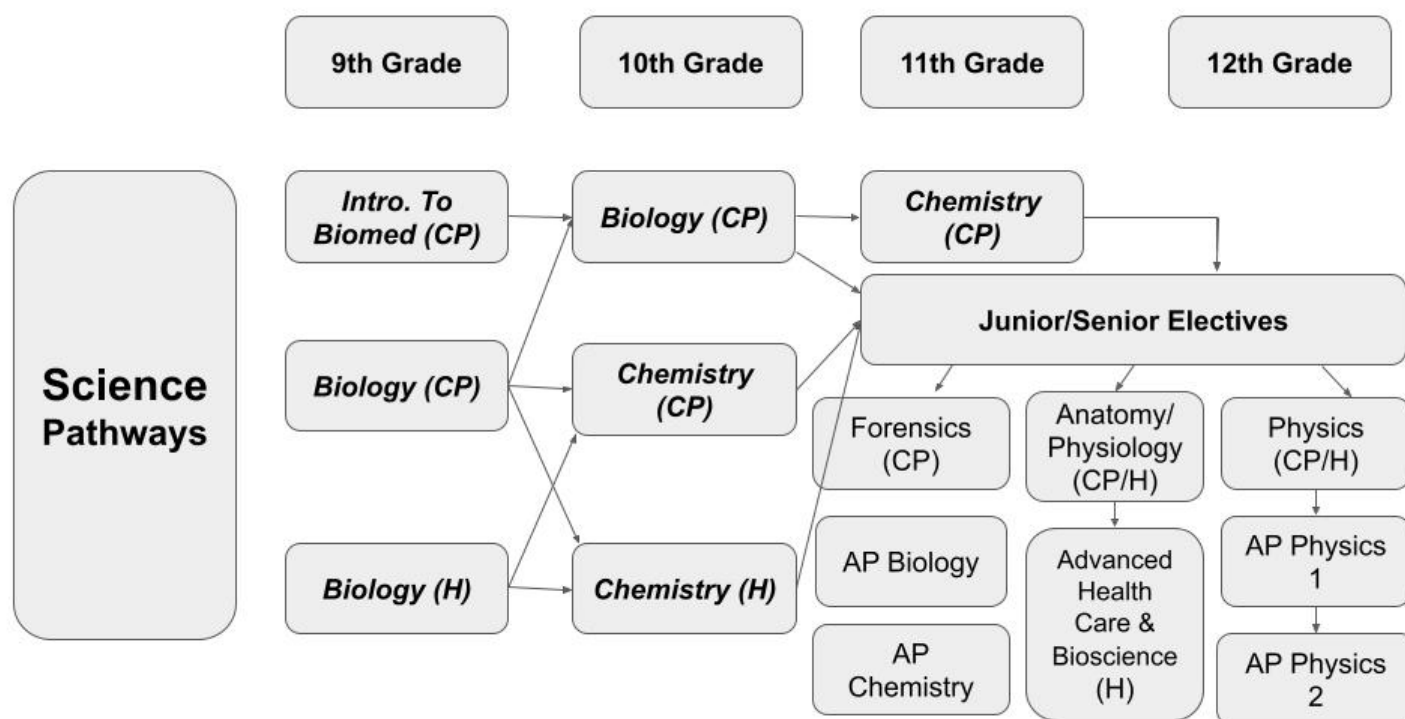
0206 INTRODUCTION TO STATISTICS CP**1 Credit***Course is sequential to Algebra II CP, Algebra II H, or Precalculus CP**Course satisfies Mathematics graduation requirement*

This two-semester course is a general introductory course to the field of statistics. The content is designed to provide students with the basics of statistics that can be used across many fields of study. Students study the organization, analysis, and interpretation of data; methods of planning and conducting a study, survey, and experiment and probability theory and simulations in everyday situations. This course is integrated with the TI-84+ Calculator.

0207 AP STATISTICS**1 Credit***Course is sequential or concurrent to Precalculus H**Course satisfies Mathematics graduation requirement*

The purpose of this two-semester AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. **Students are required to take the Statistics AP exam (Additional fee) and course exam in May.**

SCIENCE



How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, **and** have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

0424 INTRO TO BIOMEDICAL SCIENCE CP

1 Credit

*Placement based on entrance and placement test, and previous Science courses taken
Satisfies laboratory science graduation requirement*

This two-semester lab course reinforces scientific skills and knowledge preparing students for the next level of study in science. Introducing students to the various disciplines that encompass the biomedical sciences: human anatomy and physiology, cell biology, bacteriology, virology, immunology, and epidemiology. Emphasis is placed on examining lifestyle choices, understanding various health conditions, and exploring available medical treatments. Students conduct a variety of labs, activities, and research projects to support their learning and reinforce the important concepts.

0411 BIOLOGY CP

1 Credit

Satisfies laboratory science graduation requirement

This two-semester lab course introduces fundamental principles of biology to freshmen including an introduction to biochemistry, cellular structure and function, metabolism, the central dogma of biology, genetics, and evolution. Students will be introduced to inquiry based learning through hands-on laboratory activities, where they will become familiar with basic laboratory techniques and master the scientific method.

0412 BIOLOGY H**1 Credit***Satisfies laboratory science graduation requirement*

This two-semester lab course introduces the honors level freshmen to major biological principles including biochemistry, cellular structure and function, evolution, genetic continuity, metabolism, and the diversity of life. Emphasis is placed on science as inquiry based. Students perform numerous experiments, covering basic laboratory skills, biochemical analysis, and microscopic procedures and studies.

0431 CHEMISTRY CP**1 Credit***Course is sequential to Biology CP or Introduction to Biomedical Science CP**Satisfies laboratory science graduation requirement*

This two-semester lab course conceptually examines the basic physical and chemical properties of matter and the energy changes that occur during phase changes and chemical reactions. It includes the study of atomic structure, chemical bonding, naming compounds, equation writing, stoichiometry, gas laws, kinetic theory, solutions, and acids and bases. The problem-solving approach is emphasized when appropriate. Scientific calculator is required.

0422 CHEMISTRY H**1 Credit***Course is sequential to Biology CP or Biology H**Satisfies laboratory science graduation requirement*

This two-semester lab course conceptually and mathematically analyzes basic chemical phenomena. Topics studied include the unit analysis method of problem-solving, measurement, atomic structure, the historical development of modern atomic theory, the periodic table, chemical bonding, and energy changes in chemical and physical changes. Skill in naming chemical compounds and writing balanced chemical equations is emphasized. Both the behavior of various states of matter and the gas laws are studied with the kinetic molecular theory. Studies of solutions and acid/base chemistry are included. Scientific calculator required.

0435 PHYSICS CP (Junior/Senior Course)**1 Credit***Students must have completed Biology CP or Biology H to enroll in this course**Satisfies laboratory science graduation requirement*

Physics is the study of matter and energy and how they interact. This lab course focuses on the central concepts of physics with an emphasis on the relationship to events in everyday environments, problem solving techniques that apply to several different problems, basic algebra to solve analytical problems as well as logic and synthesis of information to solve conceptual problems. Newton's Laws of Motion, velocity and acceleration, conservation of energy and momentum, gravity, thermodynamics, waves and sound, optics, electrostatics, electricity, and magnetism are introduced.

0436 PHYSICS H (Junior/Senior Course)**1 Credit***Students must have completed Biology CP or Biology H to enroll in this course**Satisfies laboratory science graduation requirement*

This course mathematically analyzes basic physical phenomena: motion, force, energy, heat, waves, sound, light, electricity, and magnetism. During the year, each student performs approximately 16 experiments on these topics. Comprehensive written lab report is submitted following each experiment. Intended for those students who desire a college physics course for degrees other than engineering, sciences, math, and medical fields. Scientific calculator, protractor, and compass required.

0453 BIOLOGY AP / UCONN ECE (Junior/Senior Course)**1 Credit**

Students must have completed Chemistry CP or Chemistry H to enroll in this course
Satisfies laboratory science graduation requirement

This two-semester lab course is part of the Early College Experience program for the University of Connecticut, as well as an AP program, and offers the potential for students to earn 4 University of Connecticut transferable credits upon successful completion of the course. Students examine topics such as the chemistry of life, cellular energetics, cell structure and function, heredity, molecular genetics, evolutionary biology, diversity of organisms, ecology, and human anatomy. Students will perform various inquiry-based laboratory experiments as well as dissections. **Students are required to take the Biology AP exam (Additional fee) and course exam in May. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation.**

0463 CHEMISTRY AP / UCONN ECE (Junior/Senior Course)**1 Credit**

Students must have completed Chemistry CP or Chemistry H to enroll in this course
Satisfies laboratory science graduation requirement

This two-semester lab course is a first-year college chemistry program. This course prepares students for the Advanced Placement Examination in Chemistry. A summer assignment to review fundamental skills is required. Strong emphasis is placed on chemical calculations, the mathematical treatment of problems, and laboratory work. Topics covered extensively include atomic structure and properties, molecular and ionic compound structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, and applications of thermodynamics. Students are required to take the final exam and the AP Chemistry exam. Each student must have a scientific/graphing calculator. **Students are required to take the Chemistry AP exam (Additional fee) and course exam in May. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation.**

0444 PHYSICS AP I / UCONN ECE (Junior/Senior Course)**1 Credit**

Students must have completed Chemistry CP or Chemistry H to enroll in this course
Satisfies laboratory science graduation requirement

This inquiry-based course with a laboratory section prepares students for the Advanced Placement examination in Physics 1. The curriculum represents topics covered in a non calculus first semester college physics course: Newtonian mechanics, work/energy and power, mechanical wave and sound as well as an introduction to electric circuits. A strong emphasis is placed on the application of familiar principles in new situations in which the student must devise a logical solution. Each student must have a scientific or graphing calculator. Intended for those students planning on majoring in chemistry, biology or physics, any engineering course, mathematics, or medical fields. **Students are required to take the Physics I AP exam (Additional fee) and course exam in May. By registering with UCONN (Additional fee) students can earn four college credits that may be transferable to colleges and universities throughout the nation.**

0445 PHYSICS AP II / UCONN ECE (Junior/Senior Course)**1 Credit**

Students must have completed Chemistry CP or Chemistry H to enroll in this course
Satisfies laboratory science graduation requirement

This inquiry based course with a laboratory section follows AP Physics 1 and prepares students for the Advanced Placement examination in Physics 2. The curriculum represents topics mastered in a non-calculus second semester college physics course: fluid mechanics, thermodynamics, electricity and magnetism, light and optics, atomic and nuclear physics. A strong emphasis is placed on the application of familiar principles in new situations in which the student must devise a logical solution. Students are required to take the Advanced Placement Physics 2 exam and course exam. **Students are required to take the Physics II AP exam (Additional fee) and course exam in May. By registering with UCONN (Additional fee) students can earn four college credits that may be transferable to colleges and universities throughout the nation.**

0441 HUMAN ANATOMY & PHYSIOLOGY CP (Junior/Senior Course)**1 Credit**

Students must have completed Biology CP or Biology H to enroll in this course

Satisfies laboratory science graduation requirement

This two-semester lab course offering is for any student considering a career in health studies, medical science, physical training or any other related field. Designed for motivated students, a review of human biological concepts learned in earlier courses is quickly followed by the study of human structure and function, both in health and illness. Lecture and lab activities as well as various research and independent work projects are included.

0404 HUMAN ANATOMY & PHYSIOLOGY H (Junior/Senior Course)**1 Credit**

Students must have completed Biology CP or Biology H to enroll in this course

Satisfies laboratory science graduation requirement

This two-semester lab course offering is for any student considering a career in health studies, medical science, physical training or any other related field. Designed for highly motivated students, a review of human biological concepts learned in earlier courses is quickly followed by the study of human structure and function, both in health and illness. Lecture and lab activities as well as various research and independent work projects are included.

0403 ADVANCED HEALTH CARE & BIOSCIENCES H (Junior/Senior Course)**1 Credit**

Course is sequential or concurrent to Human Anatomy & Physiology H

This is a two semester state certified health course that prepares students for entry into health and medical science college studies including nursing, physical and occupational therapy and supports students with broadening their understanding of medical career pathways and health care systems while developing skills in Allied Health infection control, common and acute health conditions, Communication, patient rights, patient safety, medical record documentation, medical terminology, physical rehabilitation, and more.

0402 NURSING ASSISTANT CLINICAL H (Junior/Senior Course)**.5 Credit**

Course is concurrent to Advanced Health Care & Bioscience H

Students participate in off-campus clinical rotations to meet the requirements of 60 or more clinical experience hours as required for CT Nursing Assistant Certification. Strong focus is on the development of healthcare skills and procedures. Course is taken concurrently with Advanced Health Care & Biosciences H and Anatomy and Physiology H.

0407 FORENSIC SCIENCE CP (Junior/Senior Course)**1 Credit**

Students must have completed Biology CP or Biology H to enroll in this course

Forensic science is a comprehensive study of the sciences used by police agencies in the criminal justice system. Major topics include processing a crime scene, identification and analysis of evidence, fingerprint analysis, serology, document analysis, firearm identification, toxicology, and explosion and arson identification. This course will use real world examples, multimedia sources, basic theory and laboratory work to create an exciting way for the student to explore the subject. Lab experiments will reinforce or teach basic principles of biology, chemistry and physics.

0804 PHYSICAL EDUCATION CP**1 Credit**

Physical education provides an array of activities with an abundance of opportunities for every student to be successful. The program provides students a release from daily stress and strain while they participate in both competitive and non-competitive events. Skills, interests and appreciation for life-long learning, activity and recreation are developed through both team and individual activities. Also stressed is that students should be totally accountable for their own actions, both in and out of the classroom.

0455 HEALTH AND WELLNESS CP**.5 Credit**

Course satisfies .5 of Senior Seminar graduation requirement

This one-semester course is paired with Personal Finance as part of the Senior Seminar. Personal Health emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal health, which include physical, social, emotional, intellectual, spiritual, and environmental aspects. A combination of lecture, group discussion, activities, presentations, guest speakers, video, and nutritional and fitness projects are included. This course covers all aspects of health as it pertains to the students as they go to college.

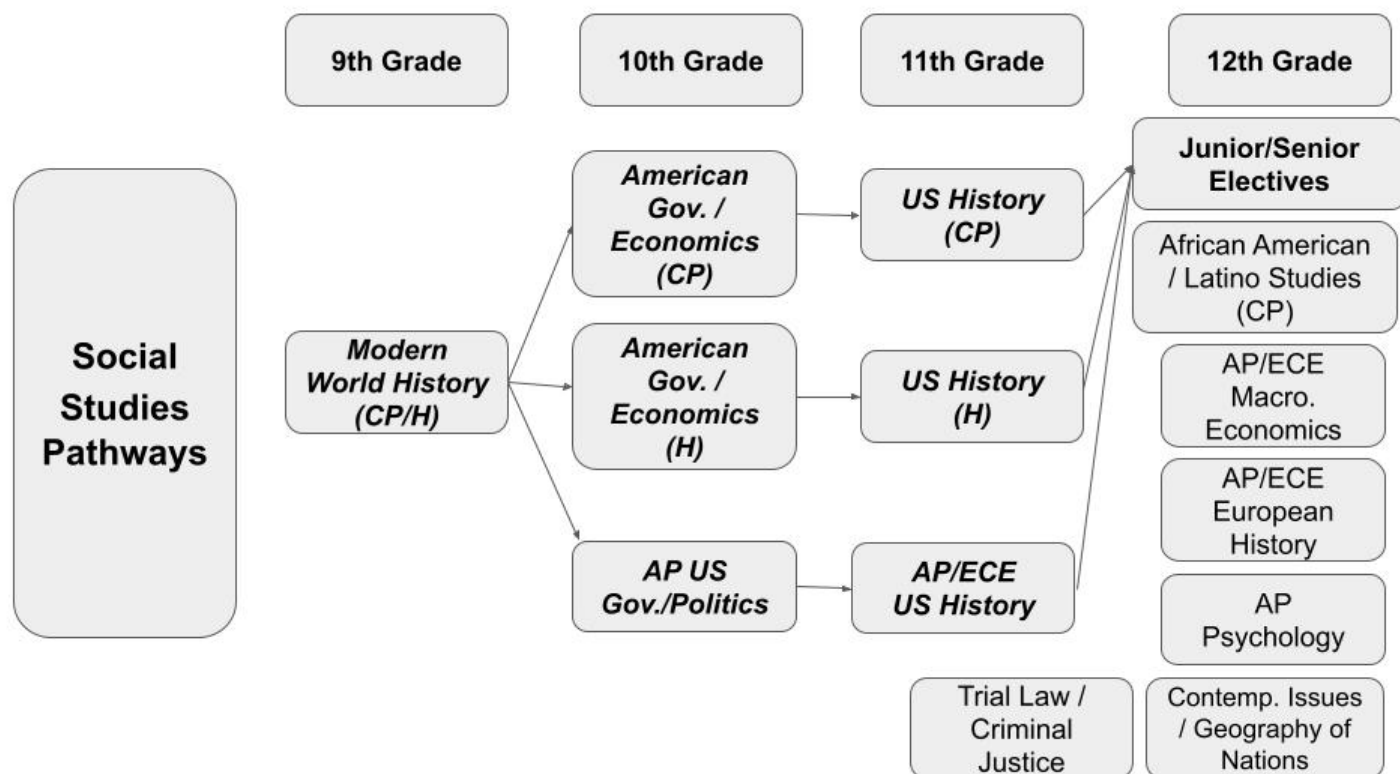
0456 FOUNDATIONS OF SPORTS MEDICINE CP (Junior/Senior Elective)

.5 Credit

Course traditionally taken sequential with Foundations of Sports Medicine

This course provides a general overview of sports medicine, athletic training, and exercise science. It examines human anatomy and the care and prevention of athletic injuries. Topics emphasize First Aid, CPR, muscular and skeletal anatomy, injury prevention, sports nutrition, and athletic training. This course is intended to help students gain an understanding of sports medicine, various associated disciplines, and the role they play in the physically active community.

SOCIAL STUDIES



How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, *and* have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

0525 MODERN WORLD HISTORY CP

1 Credit

Course satisfies Freshmen year Social Studies graduation requirement

This survey course examines the progress of human civilization from the time of the French Revolution of 1789 to the emergence of the 21st Century. Topics include the general evolution of government from absolutism to popular consent. Overview of major world events such as the Age of Enlightenment, Modern Revolutions, National Unification Movements, the World Wars, the Cold War, and the emergence of Global thinking at the dawn of the 21st Century are closely examined.

0526 MODERN WORLD HISTORY H

1 Credit

Placement: Academic Review Committee Recommendation

Course satisfies Freshmen year Social Studies graduation requirement

This survey course examines the in-depth progress of human civilization from the time of the French Revolution of 1789 to the emergence of the 21st Century. Emphasis is placed on the evolution of government from absolutism to popular consent. Major world events such as the Age of Enlightenment, Modern Revolutions, National Unification Movements, the World Wars, the Cold War, and the emergence of Global thinking at the dawn of the 21st Century are closely examined. There will be an emphasis on historical research and appreciation through essay writing.

0510 AMERICAN GOVERNMENT CP**.5 Credit***Course satisfies Sophomore year Social Studies graduation requirement*

American Government is a one semester course and a general introduction to the American Governmental system. It provides a description of the framework within which political decisions in the United States are made. Students will become aware of their basic rights, duties, and responsibilities as American citizens. Topics will include basic principles of government, the U.S. Constitution, branches of government, personal liberties and justice, election campaign patterns, and voting procedures. **The American Government course is a state mandated course for graduation. This course is consecutive with Principles of Economics.**

0578 PRINCIPLES OF ECONOMICS CP**.5 Credit***Course satisfies Sophomore year Social Studies graduation requirement*

This semester program of study is an introduction to the principles of macroeconomic and microeconomics. This course will look at themes such as scarcity, the laws of supply and demand, and elasticity while building to broader topics such as competition, market structures, and businesses and labor. Students will also look at how ideas and themes of economics affect their daily life, their local economy, their country, and the international economy.

0509 AMERICAN GOVERNMENT H**.5 Credit***Course satisfies Sophomore year Social Studies graduation requirement*

American Government (H) is a one-semester course with an in-depth study of the government of the United States with emphasis on individual rights and liberties. Students will study the Bill of Rights, the Constitution, the federal court system, landmark Supreme Court cases, political parties, mass media and public opinion, the branches of government, and comparative economic and political systems. **The American Government course is a state mandated course for graduation. This course is consecutive with Principles of Economics.**

0579 PRINCIPLES OF ECONOMICS H**.5 Credit***Course satisfies Sophomore year Social Studies graduation requirement*

This semester program of study is an in-depth study of the principles of macroeconomic and microeconomics. This course will look at themes such as scarcity, the laws of supply and demand, and elasticity while building to broader topics such as competition, market structures, and businesses and labor. Students will also look at how ideas and themes of economics affect their daily life, their local economy, their country, and the international economy.

0531 US HISTORY SINCE 1877 CP**1 Credit***Course satisfies Junior year Social Studies graduation requirement*

This two-semester college-preparatory level class offers a survey of United States history from the end of the Reconstruction (1877) to the present. Emphasis is placed on the growth of the United States as a world power, America's role in the World Wars, its domestic issues and world involvement in the second half of the 20th century, and the country's entry into and the new challenges of the 21st century. **This is a required state mandated course for graduation.**

0532 U.S. HISTORY SINCE 1877 H**1 Credit***Course satisfies Junior year Social Studies graduation requirement*

The honors level course offers a more detailed approach to United States history from the end of Reconstruction (1877) to the present than the survey style of the CP level course. Emphasis is placed on the growth of the United States as a world power, America's role in the World Wars, its domestic issues and world involvement in the second half of the 20th century, and the country's entry into and the new challenges of the 21st century. **This course fulfills the US History graduation requirement.**

0533 U.S. HISTORY AP / UCONN ECE**1 Credit***Course satisfies Junior year Social Studies graduation requirement*

This two-semester advanced-placement AP level course is an in-depth examination of American history from the Age of European Exploration to the present, emphasizing political, social, economic, diplomatic, and intellectual interpretations of events. Students are required to do extensive reading and essay assignments at an advanced level, in order to develop the reading-comprehension and writing-proficiency skills required on the advanced-placement exam. Students are required to take the Advanced Placement U.S. History final exam given in May. A successful performance on the AP exam may earn college credit and/or advanced placement in college for the participating student. Additionally, the course is affiliated with the University of Connecticut. **Students are required to take the AP US History Exam in May. This course fulfills the US History graduation requirement. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation. Summer readings and assignments are a requirement for the course.**

0562 UNITED STATES GOVERNMENT AND POLITICS AP**1 Credit***Course satisfies Sophomore year Social Studies graduation requirement or upper level elective course*

This two-semester course in government and politics provides the student with a variety of theoretical perspectives and explanations of the general concepts used to interpret and analyze U.S. politics. Particular attention is paid to the interaction between the various government branches and the role of Congressional committees, Executive departments, and judicial oversight. The methods by which the individual can affect government policy and the importance of public opinion will be the focus of study. **Students are required to take the AP American Government and Politics course exam in May.**

0573 PSYCHOLOGY AP**1 Credit**

Psychology is the study of human behavior based on social interaction with others. What effects does behavior have upon the lives of others, as well as upon oneself? This course explores these basic questions as well as other topics dealing with human behavior, including states of consciousness, memory, intelligence, personality theories, behavior disorders, and their treatments. The class focuses on the ways in which psychology operates in everyday life. In addition to lectures, teaching strategies include videotapes, interviews, debates, and other active learning exercises. **Students are required to take the AP Psychology and course final exam in May.**

0566 PRINCIPLES OF MACROECONOMICS AP UCONN/ECE**1 Credit**

This full year course will introduce students to the “behavior” of entire economies. Concepts such as inflation, unemployment, interest rates, money, income distribution, productivity, and world trade are examined. In order to provide real-world application to and understanding of these economic concepts, articles and publications will be utilized from sources such as *The Wall Street Journal*, *Economist Magazine*, and *The Financial Times*. **Students are required to take the AP Exam in May. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation. Summer readings and assignments are a requirement for the course.**

0570 EUROPEAN HISTORY AP/UCONN ECE**1 Credit**

This full year course provides students an intensive course in college European History from the period 1500 to the present. Special emphasis will be placed on the emergence of the modern state system, the Renaissance and Reformation, the French Revolution, The Industrial Revolution, the World Wars, the Russian Revolution, the Cold War, and the Post - Cold War world. Major emphasis will be placed on extended reading and document-based assessments. **Students are required to take the AP European History course exam in May. By registering with UCONN (Additional fee) students can earn six college credits that may be transferable to colleges and universities throughout the nation. Summer readings and assignments are a requirement for the course.**

0506 TRIAL LAW CP (Fall Semester)**.5 Credit**

This course will center upon torts, contracts, Constitutional Law, property, Civil Procedure, and Criminal Law. **This course will run in the Fall. Participation in a courtroom simulation is mandatory to receive credit.**

0513 CRIMINAL JUSTICE CP (Spring Semester)**.5 Credit**

This course will provide students with an opportunity to learn how the justice system works in our society. Students will be given a practical understanding of law and the American legal system. The course will focus on two key areas of jurisprudence: criminal law and criminal procedure. The course will focus on the responsibility of citizens in the framework of the judicial system of the United States.

0568 AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES CP**1 Credit**

“This (full year) course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.” – Course Description taken from SERC – State Education Resource Center Curriculum for Connecticut Public Act No. 19-12 p.

0554 CONTEMPORARY U.S. ISSUES (Fall Semester)**.5 Credit**

Students will make an in-depth analysis of current issues on the political, social and cultural areas of modern America. Emphasis will be placed on the study of recent American history as the basis for contemporary American perspectives. Issues studied will range from domestic social issues such as Black Lives Matter, changing family structures, and the opioid crisis. Current foreign policy concerns will also be studied, including North Korea, immigration, and the War on Terror.

0594 Geography of Nationalism (Spring Semester)**.5 Credit**

The geographical distribution of different national groups, both within and between different states, often has a tremendous influence on the political interactions and conflicts in a given region. This course will be an in-depth examination of several case studies involving such geographic interactions between national groups potentially including: The Israeli-Palestinian Conflict, The Rwandan Genocide, The Armenian Genocide, the Kurds in the Middle East, Ethnic Cleansing in Ethiopia, the Balkans War, Russian control of Chechnya, the Sudanese Civil War, Religious Turmoil in India, Indian control of Kashmir, or the Uighurs in China. Students will play a role in deciding which topics the class will study. A capstone project is required in this class.

WORLD LANGUAGE

How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, *and* have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

Students should take the same language in consecutive years to satisfy graduation requirements and college admissions recommendations.

0319 SPANISH I CP

1 Credit

*Placement based on placement test, and previous Spanish courses taken
Course satisfies World Language graduation requirement*

This two-semester course is an introduction to basic grammatical concepts, vocabulary, and idiomatic expressions. It will help students to develop all four of the basic skills needed for success in second-language acquisition: listening, speaking, reading, and writing. Vocabulary topics include talking about family, friends and possessions and communication about likes, dislikes, and daily activities. Students also learn about the commonalities and differences between and among the various Hispanic cultures and our own. *Spanish I CP is designed for students with limited to no prior experience in Spanish.*

0312 SPANISH I H

1 Credit

*Placement based on placement test, and previous Spanish courses taken
Course satisfies World Language graduation requirement*

This two-semester course is designed for the qualified, highly motivated beginner. The four basic skills of listening, speaking, reading, and writing are stressed at an accelerated pace with Spanish being the primary language spoken in class. Students accrue vocabulary and learn grammatical concepts that enable them to communicate effectively in both the present and past tenses. A variety of audio, video, reading, and hands-on activities related to the Spanish-speaking world enable the students to compare and contrast the various Hispanic cultures with each other as well as with their own culture. Spanish is used as the medium of instruction as much as possible. *Spanish I H is designed for students with prior experience and demonstrated success in Spanish.*

0326 SPANISH II CP

1 Credit

*Incoming ninth grade placement based on placement test, and previous Spanish courses taken
Course is sequential to Spanish I CP
Course satisfies World Language graduation requirement*

This two-semester course reviews and continues to build on the basic grammatical, vocabulary and syntactical concepts begun in the first year. Using for their studies the Level 2 textbook in the students are introduced to several new grammatical concepts, and they learn how to talk and write about past events. Cultural comparisons and contrasts continue to be an important focus. Vocabulary and language structures used in a broader variety of everyday situations will be emphasized and practiced using all four major language skills.

0322 SPANISH II H**1 Credit**

Incoming ninth grade placement based on placement test, and previous Spanish courses taken

Course is sequential to Spanish I H

Course satisfies World Language graduation requirement

This two-semester course reinforces and builds upon previously learned skills using pair and group activities. Students will practice new vocabulary and language structures used in many everyday situations. Grammar structures will be presented with greater emphasis on reading skills and quick recognition of meanings and cognates. Cultural aspects of the Spanish-speaking world are highlighted through student reports. Students are expected to maintain an accelerated pace. Spanish is used as the medium of instruction and communication as much as possible.

0330 SPANISH III CP**1 Credit**

Course is sequential to Spanish II CP

Continuing and reinforcing the work done in Spanish II CP, students continue developing the four language skills. More advanced grammatical structures are introduced with greater emphasis on reading skills and quick recognition of vocabulary and cognates. Cultural aspects of the Spanish-speaking world are highlighted in readings.

0332 SPANISH III H**1 Credit**

Course is sequential to Spanish II H

This is an extensive and more challenging two-semester course for superior students who have excelled in Spanish II H and who plan to continue their study of Spanish at the most advanced levels. Communication skills are stressed while students practice and master more complicated grammatical structures. More difficult readings are presented. Class discussions stress the utilization of the language and incorporate the diverse cultures of Hispanic countries. The goal is to make Spanish the main medium of communication in all listening, speaking, reading and writing activities.

0341 SPANISH IV H**1 Credit**

Course is sequential to Spanish III H

The immediate precursor to Advanced Placement Spanish Language, this two-semester course is specifically designed for the highly motivated student who has successfully completed Spanish III (H) and plans to continue study of the Spanish language at the college-level. Great emphasis is placed on auditory and oral exposure to the language as well as more complex grammatical structures in writing assignments. All class activities use the Spanish language as the primary vehicle for communication. English is spoken only with the permission of the instructor.

0313/0314 FRENCH I CP/H**1 Credit**

Incoming ninth grade placement based on placement test, and previous French courses taken

Course satisfies World Language graduation requirement

**Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

Students are introduced to the skills of understanding basic spoken French, expressing their own ideas related to the topics studied in understandable French, and to reading and writing about essential concepts correctly. Vocabulary is student-centered, dealing with friends, family, shopping, eating, and daily activities. In addition to learning grammar and vocabulary, the students use supplementary materials which introduce them to the culture and civilization of France and the countries where French is spoken. *French I CP is designed for students with limited to no prior experience in French.*

0323/0324 FRENCH II CP/H**1 Credit**

Incoming ninth grade placement based on placement test, and previous French courses taken

Course is sequential to French I CP/H

Course satisfies World Language graduation requirement

**Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

Students continue their study of French culture and language, adding mastery of past tenses and more advanced grammar concepts. Additional vocabulary on many topics is added to the students' repertoire, and there is a continued emphasis on accurate pronunciation to reinforce their progress towards fluency in French.

0333/0334 FRENCH III CP/H**1 Credit**

Course is sequential to French II CP/H

Course satisfies World Language graduation requirement

**Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

Students are challenged to grow in listening comprehension and communicative skills as their confidence and fluency in French increases. Longer readings, frequent short writing assignments, and daily use of the language will be standard. During the second semester, French becomes the main medium of communication for most purposes. Students will be introduced to the remaining non-literary indicative tenses and to the subjunctive mood. Students will learn how to respond effectively in French in many situations and predicaments. The text will be supplemented with a variety of authentic French materials, including news articles, literature, and film.

0361/0368 CHINESE I CP/H**1 Credit**

Course satisfies World Language graduation requirement

**Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

Students use compelling stories, games, videos and multimedia experiences in this introduction to Chinese. They learn the elegant simplicity of Chinese grammar and the subtleties of Chinese pronunciation through entertaining lessons that give a base of conversational ability and listening comprehension. Students build a foundation for reading and writing in the Chinese language through an adaptive technology that lets them choose an approach that works best for them. Engaging graphics, video, and games keep students interested, making learning languages exciting. An integrated, game-based reward system keeps learners motivated and eager to progress.

0362/0363 CHINESE II CP/H**1 Credit**

Course is sequential to Chinese I CP/H

Course satisfies World Language graduation requirement

**Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

This Mandarin Chinese II course builds on the basics covered in level one and continues to develop skills in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Some of the topics covered include counting, sports, weather, seasons, feelings, and activities. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading, and listening comprehension activities, and speaking and writing activities.

0369/0366 CHINESE III CP/H**1 Credit***Course is sequential to Chinese II CP/H***Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

Students continue to expand their abilities in various aspects of Chinese Mandarin. Students continue to build and expand their knowledge of vocabulary, character recognition, sentence patterns and grammar points in communicative contexts. They also enhance their Chinese Mandarin listening and speaking skills, such as pronunciation and intonation. Students learn more in depth Chinese reading and writing strategies and skills. This course greatly improves students' reading abilities and students are able to write in Chinese in various formats such as journal, letter, invitation and essay. The course also enriches and fortifies the student's knowledge and skills in writing simplified Chinese characters. In this course, students learn more essential knowledge of culture, including the origins, histories. Anecdotes, and etiquettes for various cultural settings, events, and occasions. Students also learn to compare and contrast Chinese culture with their own cultures in many different aspects.

0364 CHINESE IV H**1 Credit***Course is sequential to Chinese III CP/H*

Continuing and reinforcing the work done in level III, students develop increased fluency of the spoken language and literary skills. Research and history of Chinese culture is enhanced. Chinese is used as the medium of instruction as much as possible.

0347 AMERICAN SIGN LANGUAGE (ASL) I CP**1****Credit***Course satisfies World Language graduation requirement*

This two-semester course is an introduction to basic grammatical concepts, vocabulary, and Deaf culture. Everyday communication is the centerpiece of every lesson. Topics revolve around sharing information about our environment and us. Grammar is introduced in context, with an emphasis on developing question and answering skills. Students will learn conversational strategies to help maintain a conversation. Interaction activities allow you to rehearse what you've learned.

0348 AMERICAN SIGN LANGUAGE (ASL) II CP**1 Credit***Course satisfies World Language graduation requirement*

This two-semester course reviews and continues to build on the basic grammatical, vocabulary and cultural concepts begun in the first year. ASL II is an interactive course which focuses on expanding the students' ability to communicate in ASL through classroom instruction and participation. The course will explore all aspects of the language, including mechanics and culture.

0371/0372 AMERICAN SIGN LANGUAGE (ASL) III CP/H**1 Credit***Course satisfies World Language graduation requirement***Students earning an A+ in this class will be awarded Honors credit upon completion of the course.*

This two-semester course reviews and continues to build on the basic grammatical, vocabulary and cultural concepts begun in the first year. ASL III is an interactive course which focuses on expanding the students' ability to communicate in ASL through classroom instruction and participation. The course will explore all aspects of the language, including mechanics and culture.

FINE ARTS

How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, *and* have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

VISUAL ARTS PATHWAY

0750 INTRODUCTION TO ART CP

1 Credit

Course satisfies Fine Arts graduation requirement

This course will concentrate on the basics of drawing, painting, and sculpture. Introduction to Art is a foundational-level class focusing on the process of creating artwork in a variety of media such as pencil, paint, polymer clay, wire, and more. Concepts such as composition and perspective, as well as the Elements of Art and the Principles of Design will be addressed. Students will be required to think about their own creative process and utilize critical thinking skills in order to improve their artwork. They will be introduced to the vocabulary of art and will be asked to use such vocabulary in class critiques.

0752 3-D SCULPTURE AND DESIGN CP (Offered in Even Years)

1 Credit

Students must complete Introduction to Art or have the approval of the Academic Review Committee to enroll in this course.

Students will focus on creating artwork that goes into the three-dimensional plane (3-D). This course will expand on the sculpture techniques learned in the Introduction to Art Course. The class will also gain an understanding of how the 2-D concepts and techniques learned in Introduction to Art can help bolster their three-dimensional work. The importance of working from good references (both picture and life) will be stressed to build up the student's visual library. Such a library will enhance their skill of interpreting their ideas in 3-D space. Students will work in both additive and subtractive sculpture methods, and work in a variety of materials such as polymer clay, oil-based clay, wood, paper, and metal.

0751 DRAWING AND PAINTING CP (Offered in Odd Years)

1 Credit

Students must complete Introduction to Art or have the approval of the Academic Review Committee to enroll in this course.

Students will focus on creating artwork on the two-dimensional (2-D) plane. The course will reinforce and go beyond the concepts that were covered in Introduction to Art. The importance of working from good references (both picture and life) will be stressed to build up the student's visual library. Such a library will enhance their skill of representing the three-dimensional world on a 2-D space. The course will delve deeply into the issues of value, color, and composition. Students will create many pieces, including landscapes, portraits, still life and abstract works of art.

0780 PORTFOLIO DEVELOPMENT/INDIVIDUAL STUDY H (Junior/Seniors Elective)

1 Credit

Students must complete Drawing & Painting, 3-D Sculpture or Graphic Design and approval of the instructor to enroll in this course.

This course is designed for students who want to continue their art education beyond high school. The student will create a variety of highly refined artwork for their college application portfolio. Students in this course will have many options when it comes to creating their artwork in terms of subject matter and media. The importance of the artistic process and problem solving will be the focus of this course. Becoming self-sufficient in the area of critique will help students identify and fix their artwork's deficiencies. Learning how to work through mistakes and utilize critical thinking to solve such events will help the student evolve as an artist.

0783 STUDIO 2D ART & DESIGN AP (Senior Elective)**1 Credit**

Students must complete Drawing & Painting, 3-D Sculpture or Graphic Design and approval of the instructor to enroll in this course.

This is an intensive course that is designed for students serious about continuing their art education through college. The student will create a minimum of 24 highly refined works of art for their AP Portfolio. Students in this course will focus on three areas to fill out their portfolio: quality, concentration and breadth. Students will be expected to pursue mastery in concept, composition and execution of drawing. The importance of the artistic process, creative integrity, and problem solving will be a focus of this course.

GRAPHIC ARTS PATHWAY**0700 GRAPHIC DESIGN I CP****1 Credit**

Course satisfies Fine Arts graduation requirement

This course will introduce students to the broad field of graphic arts. Through hands-on projects, students will learn about design fundamentals, color theory, typography, and the design process. Students will be introduced to a wide variety of technical concepts and details related to graphic design, computer applications, digital and traditional photography, and career opportunities. Students will learn the basics of the Adobe Creative Suite to design and produce a variety of printed products and display graphics.

0716 GRAPHIC DESIGN II H**1 Credit**

Students must complete Graphic Design I or have the approval of the instructor.

Graphic Design II is an extension of Graphic Design I. The students will be involved with advanced techniques in photo manipulation, page and package design, and digital printing. Students will gain significant knowledge of the different programs in the Adobe Creative Suite. This course will significantly increase understanding of design thinking and problem solving as well as visual literacy.

0724 VISUAL DESIGN ECP**1 Credit**

Students must complete Graphic Design II or have the approval of the instructor.

This course introduces students to the design process using professional-level software for digital image creation and editing, typesetting and typography, page layout and design in preparation for advanced coursework. Students produce course projects that demonstrate creativity, design concepts, critical thinking, aesthetic principles, and basic technical competence. ECP credit from Quinnipiac University. (additional fee required).

0715 DIGITAL GRAPHICS DESIGN IV H**1 Credit**

Students must complete Visual Design ECP or have the approval of the instructor.

This is an independent study course for Advanced Graphics course for students who intend to pursue a career in design or related business/arts field. Students will receive certification in several Adobe suite programs including PS, Id and Ai. Students will identify an area for improvement and work to obtain an increased implementation of their knowledge as well as working with clients to create marketing materials including but not limited to fliers, outdoor advertising, promotional items such as t-shirts, buttons, stickers and more.

0705 INTRODUCTION TO ENGINEERING DESIGN H**1 Credit**

Students must be enrolled or have completed Geometry to enroll in this course.

Course satisfies Career & Technology graduation requirement

This ***Project Lead the Way*** course provides students the opportunity to dig deep into the engineering design process and apply math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing project. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work. Course concepts include the design process, technical sketching and drawing, measurement and statistics, modeling skills, geometry of design, reverse engineering, documentation, advanced computer modeling, design team and design challenges.

INSTRUMENTAL PERFORMANCE PATHWAY

0770 CONCERT BAND CP

1 Credit

*Students should have at least one year of experience or proficiency in woodwind, brass, or percussion (strings considered)
Course satisfies Fine Arts graduation requirement*

Enrollment in Concert Band is open to any student who has at least one year of experience/proficiency on a woodwind, brass or percussion instrument. String instruments are also accepted, although the repertoire is based on concert band and jazz ensemble pieces rather than orchestral pieces. A wide variety of concert band and jazz ensemble literature will be studied, with increasing difficulty in the music throughout the year, and the repertoire will vary from year to year. Emphasis is placed on development of technique and interpretation, as individual instrumentalists and as an ensemble group, performance skills, and developing an overall mature musical expression. Music skills such as scale, sight reading and rhythm exercises, will be emphasized, along with music theory including music notation and key signature recognition. Attendance at all performances is mandatory.

0745 ENSEMBLE CONCERT BAND H

1 Credit

Advance musicians who are enrolled in Concert Band will audition for this course.

Ensemble Concert Band members are leaders of the school music department in areas of performing, coursework and class conduct. Requirements for the honors level include higher level assigned parts, community service through performance, regional auditions and challenging written assessments including composition and history of music. Students will mentor incoming freshmen after school.

0773 ENSEMBLE CONCERT BAND II H

1 Credit

Students must complete Ensemble Band H to enroll in this class.

Ensemble Concert Band II members are leaders of the school music department in areas of performing, coursework and class conduct. Requirements for the honors level include higher level assigned parts, community service through performance, regional auditions and challenging written assessments including composition and history of music. Students will mentor incoming freshmen after school. Students will be featured in quartet, trio, duet, and solo performances.

0776 BEGINNING PIANO CP

1 Credit

Course satisfies Fine Arts graduation requirement

Students of all musical backgrounds are welcome in Beginning Piano. Although the course is structured so that students with no prior background in music may learn to play the piano, experienced pianists are also welcome. The course will cover reading music, playing melodies with accompaniment, and various exercises to strengthen technical ability. The emphasis in the course is on solo playing. Owning a piano at home is helpful, but not necessary.

0741 PIANO ENSEMBLE H

1 Credit

Students must complete Beginning Piano to enroll in this class.

Piano Ensemble is for students looking to progress further in their piano playing. It is open to students who have completed Beginning Piano as well as those who pass an audition with the instructor. The course builds on the foundations of note-reading and piano technique and will also incorporate new topics such as music theory and music history. Students will continue to develop their musical abilities in a class setting with a focus on solo playing. The course covers a wide range of musical styles including pop, classical, jazz and blues. Although some method book material is required, students will be expected to learn piano literature. Students are not required to own a piano at home.

0771 BEGINNING GUITAR CP**1 Credit***Course satisfies Fine Arts graduation requirement*

Enrollment in Beginning Guitar is open to any student who plays guitar. Students should have their own acoustic guitar*. Guitar literature in varied styles (folk, rock, classical, jazz) will be studied and will change from year to year. Emphasis is placed on performance skills such as playing with a group and not just as a solo instrument, guitar picking and strumming techniques, and basic music theory involved in ensemble and solo playing. Grading includes performance evaluations and written examinations and quizzes, along with written exercises as homework. Attendance at all performances is mandatory.

0747 GUITAR ENSEMBLE H**1 Credit***Students must complete Beginning Guitar to enroll in this class.*

This course is open to advanced guitar players, drummers, pianists, vocalists and other instrumentalists. Students plan, rehearse, and perform music while also learning the fundamentals of musical theory, composition and history. Repertoire is centered around modern music and musical styles. Students will form bands that play regularly around the school and surrounding community.

CHORAL MUSIC & PRODUCTION PATHWAY**0749 MIXED CHORUS CP****1 Credit***Course satisfies Fine Arts graduation requirement*

This is a year-long course offered to current and aspiring singers in 9-12 grade, regardless of previous choral experience. We explore vocal technique and sing through a range of musical genres. Students in the class will be expected to participate in our annual Christmas concert and spring musical showcase.

0762 CONCERT CHOIR CP**1 Credit***Students must complete Mixed Chorus to enroll in this class.*

This is a year-long, upper-level performance opportunity offered to experienced music students who are accomplished in vocal performance. Students will continue to develop their vocal technique and musicianship. In addition to class repertoire, students are expected to prepare for, and participate in the Western Region concert Chorus auditions. Additionally, this group sings at various events throughout the school year including concerts at school and in our community.

0761 TREBLE CHORUS CP**1 Credit***Students must complete Concert Chorus to enroll in this class.*

This class is a year-long course offered to female students as a continuation in the choral sequence. Strong emphasis is placed on furthering vocal technique and musicianship. Singers will be expected to audition for the Western Region Concert Chorus as individuals, but this group will also compete as a group in a regional chorus competition.

0763 CONCERT CHOIR H**1 Credit***Students must complete Treble Chorus to enroll in this class.*

This class is a year-long course offered to both male and female students who have an interest in pursuing music in college. The class will be performance oriented, but students will have an opportunity to direct musical pieces, lead small group vocal rehearsals, and lead class vocal warm-ups. Elements of musical theater will be integrated into the class with choreographed songs and dances. Students will learn a variety of genres of music. Honors Chorus will participate in a regional chorus competition. Introduction to Music Theory will be part of this class.

0742 PODCAST 101 CP (Sophomore/Junior/Senior Elective)**1 Credit***Course satisfies Fine Arts graduation requirement*

Utilizing the Immaculate High School Recording Studio, students will learn the fundamentals of podcast production and distribution. The purpose, process, and execution of a successful podcast will be emphasized throughout the year, along with a stress on factual research and proper public speaking skills. Students will be instructed on the use of audio software to help improve the quality of their podcasts, as well as learning what equipment is best utilized when creating a podcast. Multiple topics will be tackled throughout the year, and student podcasts will be uploaded for viewing by their peers and faculty on a regular basis. A final hour long podcast will be submitted at the end of the year to showcase the development each student has made. A USB flash drive will be required for this course.

0785 MUSICAL THEATER H (Junior/Senior Elective)**1****Credit**

Provides comprehensive overview for students interested in pursuing a concentration in musical theater and stage production in college. Coursework focuses on acting, singing and diverse musical theater styles from operetta through rock. Includes anatomical and musical terms, voice classes, training, and performance in directing scenes and musical productions. Assessments based on participation, performance, and knowledge of course material including storytelling through voice, improvisation, history of the American musical, analysis of Broadway productions and a project-based production assignment.

0779 MUSIC THEORY AND DIGITAL COMPOSITION H (Junior/Senior Elective)**1 Credit***Students must complete an Instrumental or Choral course to enroll in this course.*

This course is designed for motivated students who are seeking a collegiate-level music study program. Students will discover the fundamental rules behind music, study a variety of music styles with a strong focus on note reading in treble and bass clefs and apply principles through ear training practice and sight singing. Students will use their knowledge of music theory to write songs and musical compositions as well as create a portfolio of music that they will bring to life through the sequencing and recording software such as *Garage Band* and record their final compositions in the IHS Recording Studio.

CAREER AND TECHNOLOGY

How can I change levels from CP to Honors or Honors to AP?

- Students must earn a final grade of **A** in College Prep to be considered for Honors pathway or **A** in Honors to be considered for Advanced Placement pathway.
- Students must earn a final grade of **A** in College Prep, **and** have the approval of the Academic Review Committee to be considered for Advanced Placement courses.
- Students must earn a final grade of **B** in Honors or AP course to remain on the respective pathway.

INFORMATION TECHNOLOGY PATHWAY

0680 PRINCIPLES OF INFORMATION TECHNOLOGY CP

1 Credit

Course satisfies Career & Technology graduation requirement

Principles of Information Technology course equips students with computer literacy skills necessary to adapt to emerging technologies used in the global marketplace. Students will discover how to implement personal and interpersonal skills for a rapidly evolving workplace environment. Topics covered include Operating Systems and Networking, Computer Viruses, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Web Authorizing and Software Languages, Web Names and Registration and Web Content.

0610 IT ESSENTIALS CP/H

1 Credit

Students must complete Principles of Information Technology or have the approval of the Academic Review Committee to enroll in this course.

IT Essentials is a two-semester course which covers fundamental computer and career skills for entry-level IT jobs. The IT Essentials course includes hands-on labs that provide practical experience using simulation tools to help you hone your troubleshooting skills and practice what you learn. You will learn how computers and mobile devices operate, identify common security threats and vulnerabilities (such as malware, phishing, spoofing and social engineering), apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software and develop critical thinking and problem-solving skills using both real equipment and Cisco Packet Tracer, a network configuration simulation tool. Students who successfully complete the course may be eligible to attempt to attain the internationally recognized A+ professional certification exam. ***Students who pass the A+ professional certification exam will earn Honors credit for this course.***

0619 INTRODUCTION TO NETWORKS H

1 Credit

Students must complete IT Essentials or have the approval of the Academic Review Committee to enroll in this course.

Begin preparing for a networking career with this introduction to how networks operate, including learning the architecture, structure and functions needed to support the operations and priorities of Fortune 500 companies and small innovative retailers. Students will configure a simple LAN/other network.

0601 COMPUTER SCIENCE AP (Junior/Senior Elective)

1 Credit

Students must be enrolled in any Honors or AP Math class and/or have the approval of the Academic Review Committee to enroll in this course.

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students are required to take the course exam as well as AP exam.

ENGINEERING PATHWAY

0620 INTRODUCTION TO ENGINEERING DESIGN H

1 Credit

Students must be enrolled or have completed Geometry to enroll in this course.

Course satisfies Career & Technology graduation requirement

This ***Project Lead the Way*** course provides students the opportunity to dig deep into the engineering design process and apply math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing project. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work. Course concepts include the design process, technical sketching and drawing, measurement and statistics, modeling skills, geometry of design, reverse engineering, documentation, advanced computer modeling, design team and design challenges.

0621 PRINCIPLES OF ENGINEERING H

1 Credit

Students must complete Introduction to Engineering Design or have the approval of the Academic Review Committee to enroll in this course.

This two-semester ***Project Lead the Way*** course introduces engineering concepts, methodologies, and the application of engineering principles. Students explore multiple engineering fields gaining a better understanding of each. The course provides students the opportunity to apply an engineering design process and develop their analytical and problem-solving skills. Using activities, projects and problems, students learn first-hand how engineers use math, science and technology in an engineering problem solving

0625 CIVIL ENGINEERING AND ARCHITECTURE H

1 Credit

Students must complete Principles of Engineering or have the approval of the Academic Review Committee to enroll in this course.

This is a full year high school course level from ***Project Lead the Way*** Engineering Track. Students learn the fundamentals of building design, site design, and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software.

BUSINESS PATHWAY

0623 INTRODUCTION TO BUSINESS AND MARKETING CP

1 Credit

Course satisfies Career & Technology graduation requirement

To succeed as a business professional, students need a range of specific skills and training. The marketing course covers the latest marketing strategies, theories, trends and ethical practices. Students will take part in multiple hands-on projects with a focus on innovative thinking, adaptability and clear articulation of ideas. The importance of public relations, branding, consumer behavior, advertising and retail merchandising are highlighted. The introduction to business is a broad-based course designed to give the student exploratory experiences as they relate to the world of business. Students will explore business aspects through problem-solving, role-playing, critical thinking, project development and business strategies.

0250 PERSONAL FINANCE CP

.5 Credit

Course satisfies .5 of Senior Seminar graduation requirement

This one semester senior seminar course is paired with the Health and Wellness course. Understanding and managing personal finances are key to one's future financial success. This course presents essential knowledge and skills necessary to make informed decisions about real world personal financial planning and management as well occupational decisions.

0626 SPORTS AND ENTERTAINMENT MANAGEMENT CP (Junior/Senior Elective)**.5 Credit***Course traditionally taken sequential with Foundations of Sports Medicine*

This course gives students a fundamental understanding of the business and marketing landscape of the ever-changing sports and entertainment industry. Encompassed in this course are points such as event and facility management, business to business marketing, social media, branding, law, and many more. Utilizing the understanding of ethical and moral standards in the business decision making process. Students will experience the responsibility of developing a major project, research endeavor or business plan.

0622 FUNDAMENTALS OF ACCOUNTING H**1 Credit***Course satisfies Career & Technology graduation requirement*

This course provides students with a comprehensive introduction to the principles of accounting. Students will explore why accounting is considered the language of Business. Students will learn how accurate accounting records are essential for business entities to stay profitable and thrive. Topics such as the accounting equation, the accounting cycle, journal entries and adjustments, the creation of financial statements, and ethics in accounting will be examined in detail. This course is ideal for any student considering a career in Business of Finance.

606 DIGITAL SCHOOL PRODUCTION CP**1 Credit***Course satisfies Career & Technology graduation requirement*

This full year course will focus on the production and distribution of the Immaculate High School yearbook. No graphic design experience is necessary for this class. Students will take pictures, layout pages, write copy, sell ad space and market the sale of the yearbook to students.

0612 GRAPHIC DESIGN I For Business CP**1 Credit***Course satisfies Career & Technology graduation requirement*

This course will introduce students to the broad field of graphic arts. Through hands-on projects, students will learn about design fundamentals, color theory, typography, and the design process. Students will be introduced to a wide variety of technical concepts and details related to graphic design, computer applications, digital and traditional photography, and career opportunities. Students will learn the basics of the Adobe Creative Suite to design and produce a variety of printed products and display graphics.